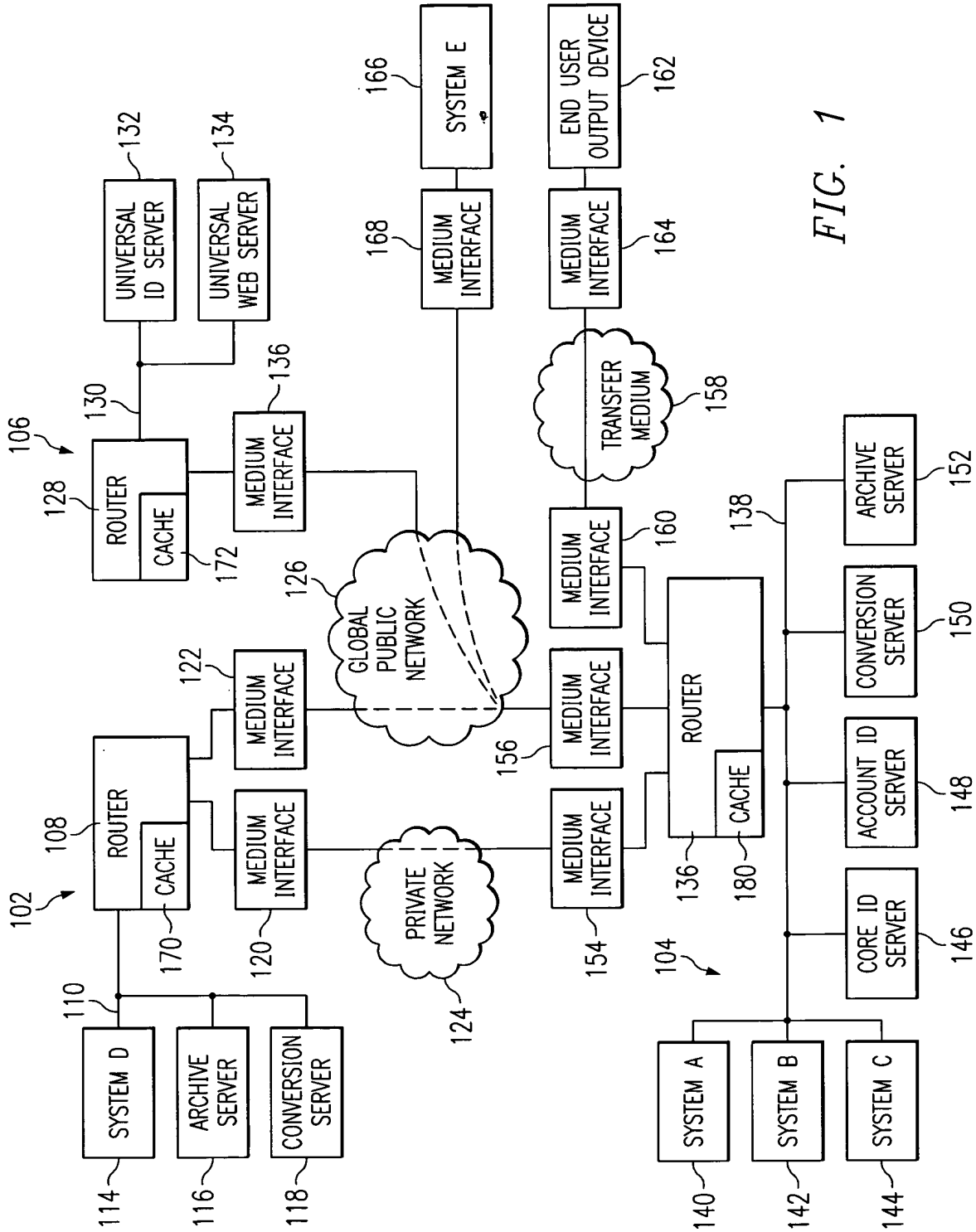

102
104
106
108
110
114
116
118
120
122
124
126
128
130
132
134
136
138
140
142
144
146
148
150
152
154
156
158
160
162
164
166
168
170
172
180
SYSTEM D
ARCHIVE SERVER
CONVERSION SERVER
ROUTER
CACHE
MEDIUM INTERFACE
PRIVATE NETWORK
GLOBAL PUBLIC NETWORK
UNIVERSAL ID SERVER
UNIVERSAL WEB SERVER
SYSTEM A
SYSTEM B
SYSTEM C
CORE ID SERVER
ACCOUNT ID SERVER
CONVERSION SERVER
ARCHIVE SERVER
TRANSFER MEDIUM
SYSTEM E
END USER OUTPUT DEVICE

FIG. 1

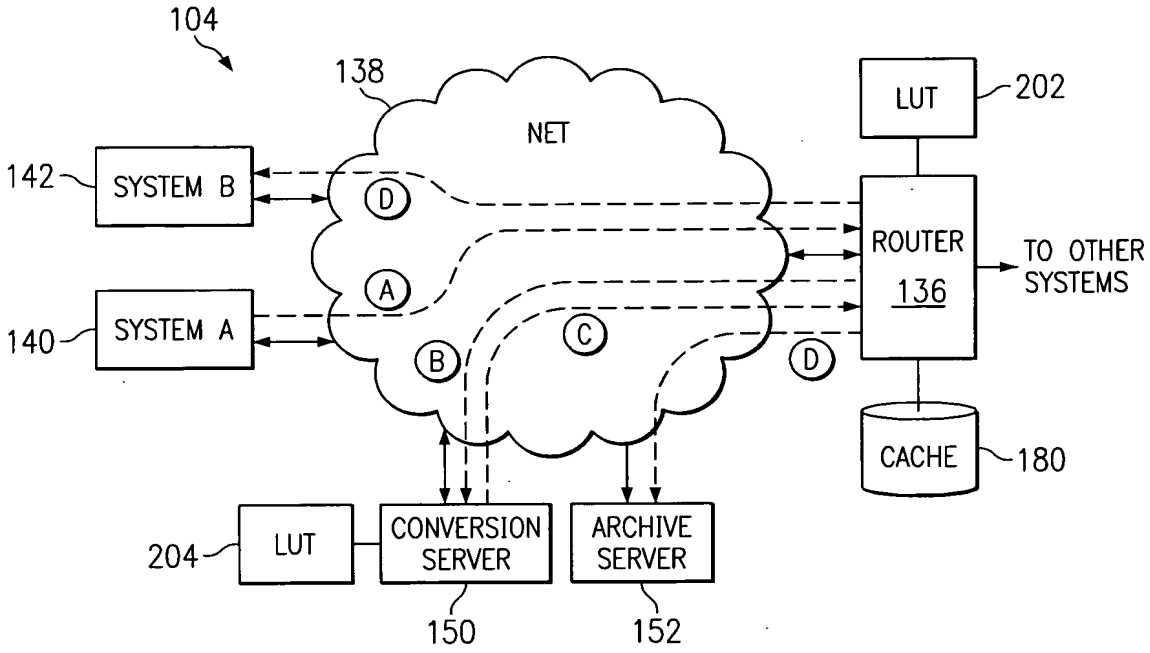


FIG. 2

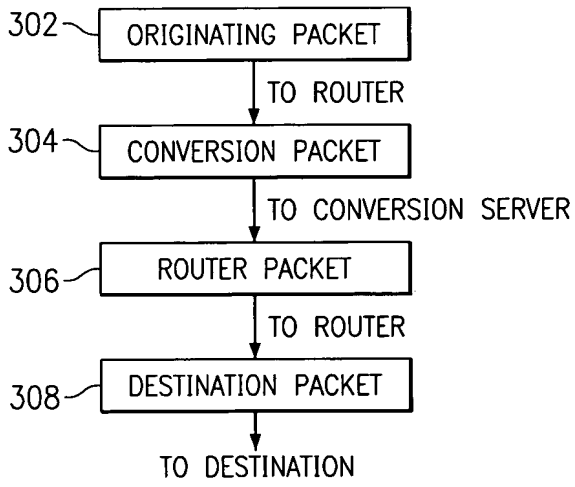


FIG. 3

EP 0 667 569 A2

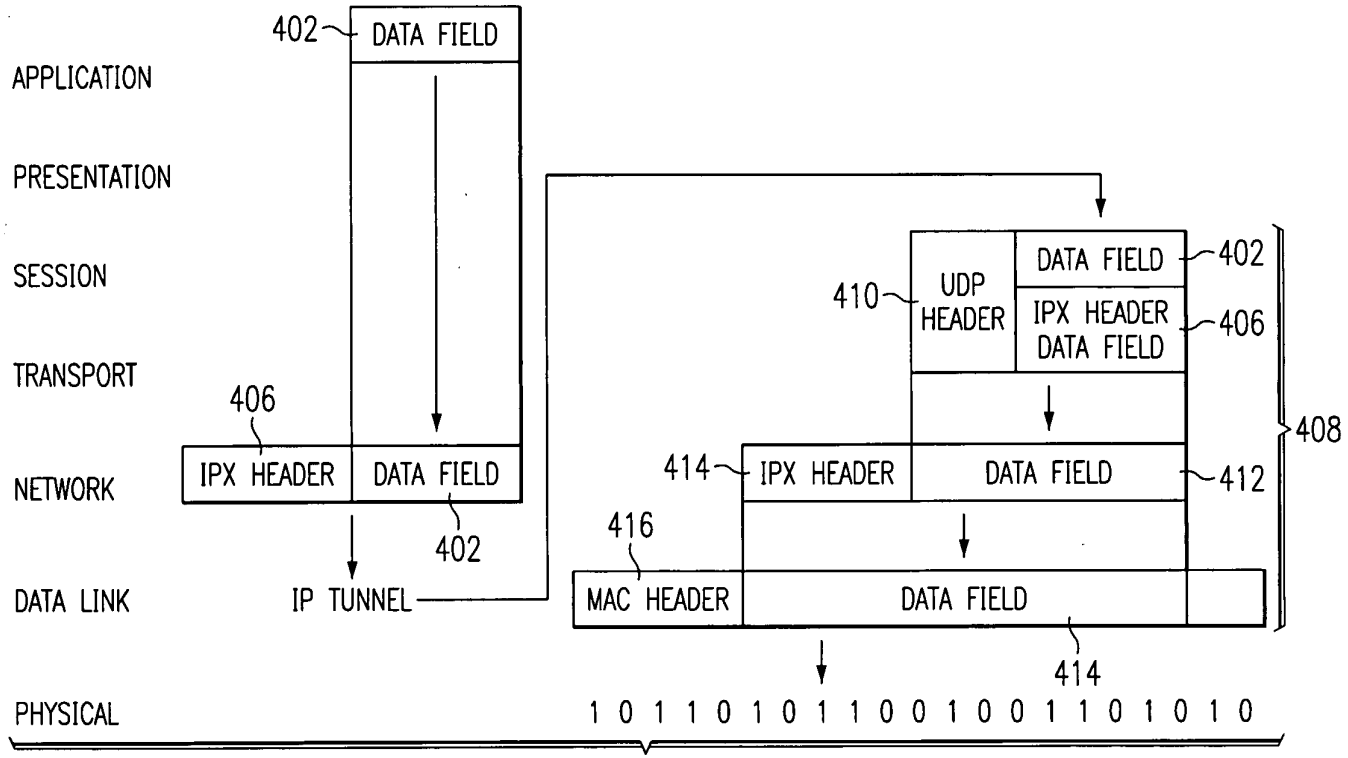


FIG. 4a

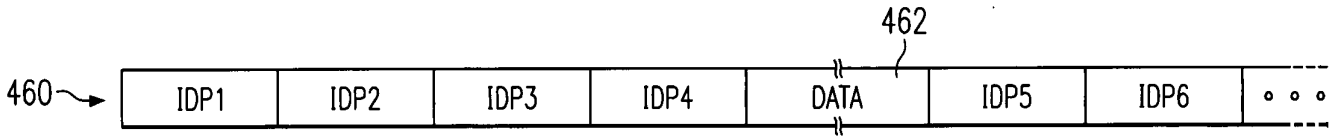


FIG. 4c

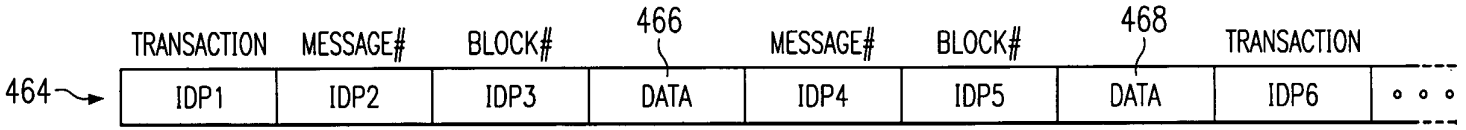


FIG. 4d

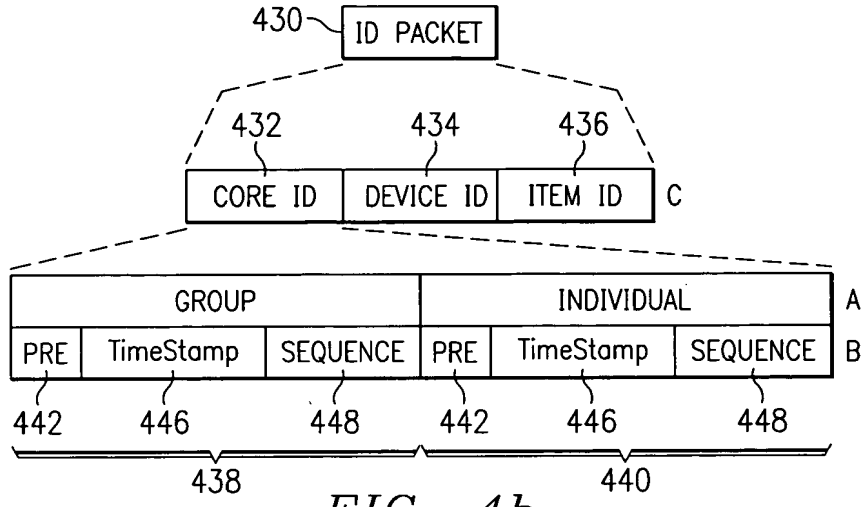

430
ID PACKET
432
434
436
CORE ID
DEVICE ID
ITEM ID
C
GROUP
INDIVIDUAL
A
PRE
TimeStamp
SEQUENCE
PRE
TimeStamp
SEQUENCE
B
442
446
448
442
446
448
438
440

FIG. 4b

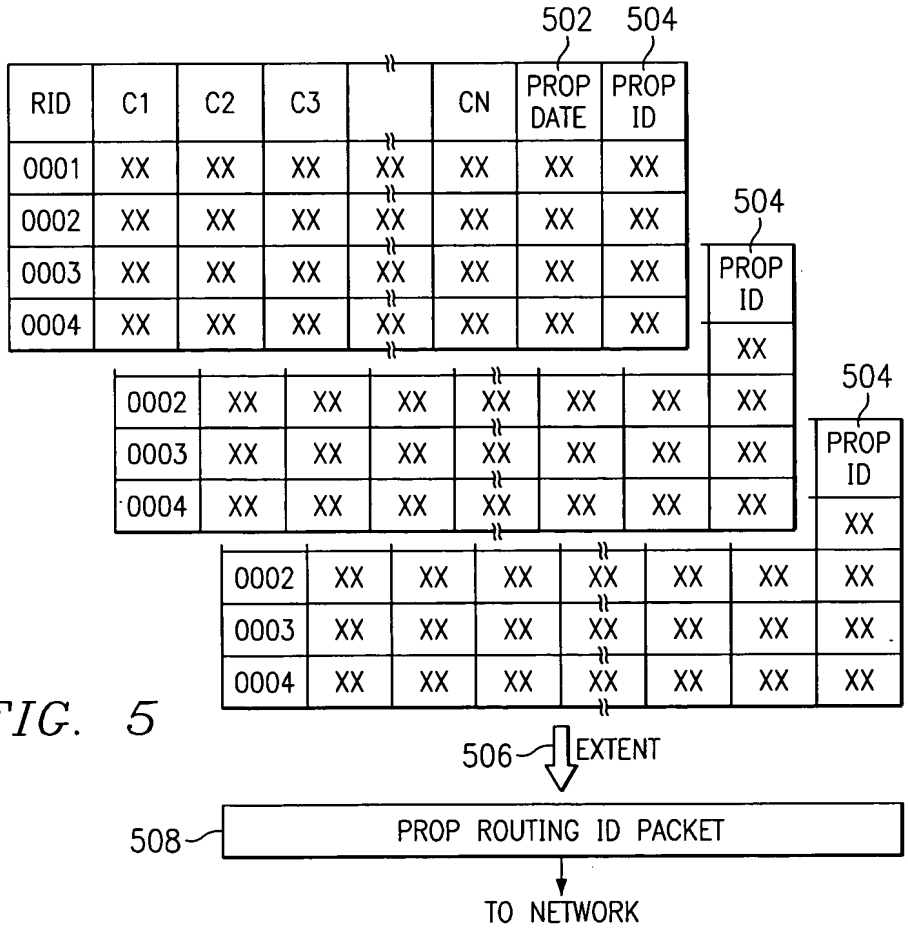

502
504
RID
C1
C2
C3
CN
PROP DATE
PROP ID
0001
0002
0003
0004
XX
504
PROP ID
504
PROP ID
506
EXTENT
508
PROP ROUTING ID PACKET
TO NETWORK

FIG. 5

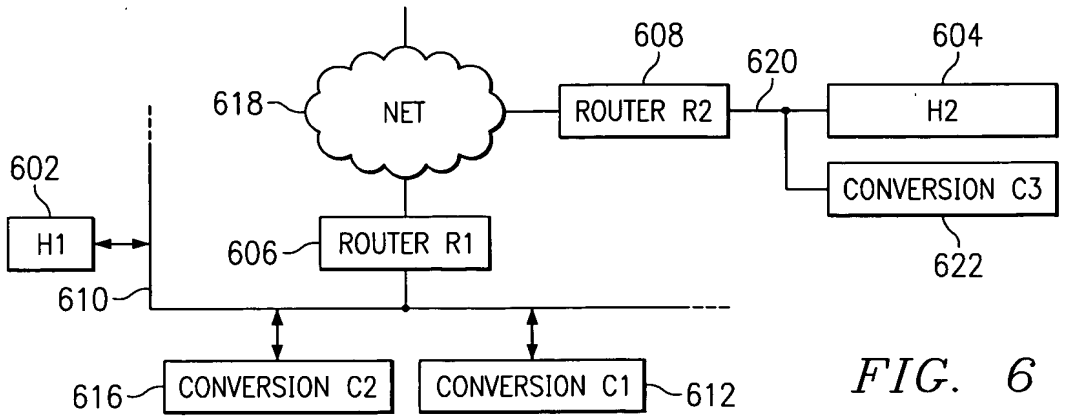


FIG. 6

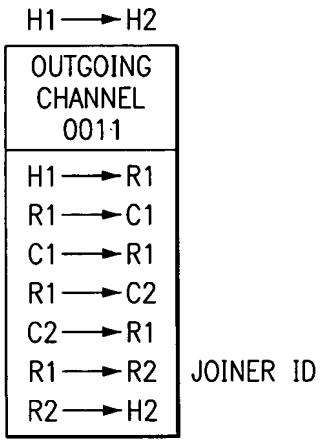


FIG. 7a

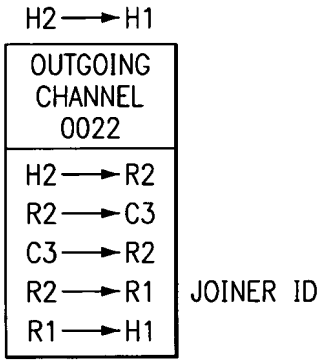


FIG. 7b

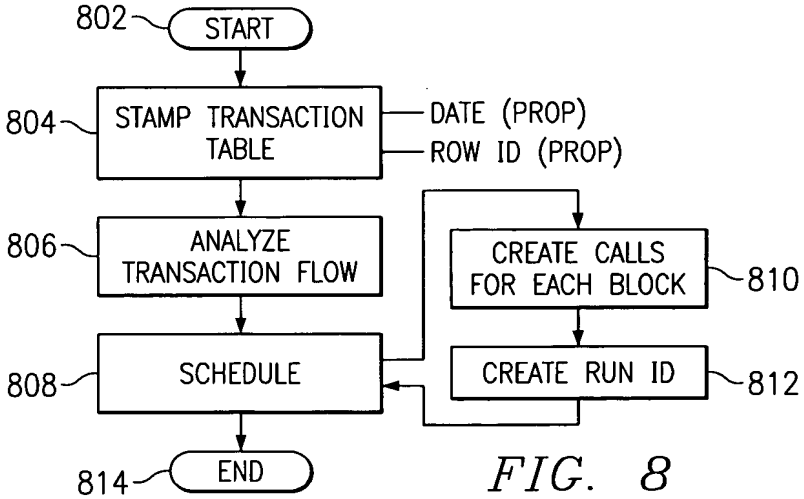


FIG. 8

T0500F: 66674660

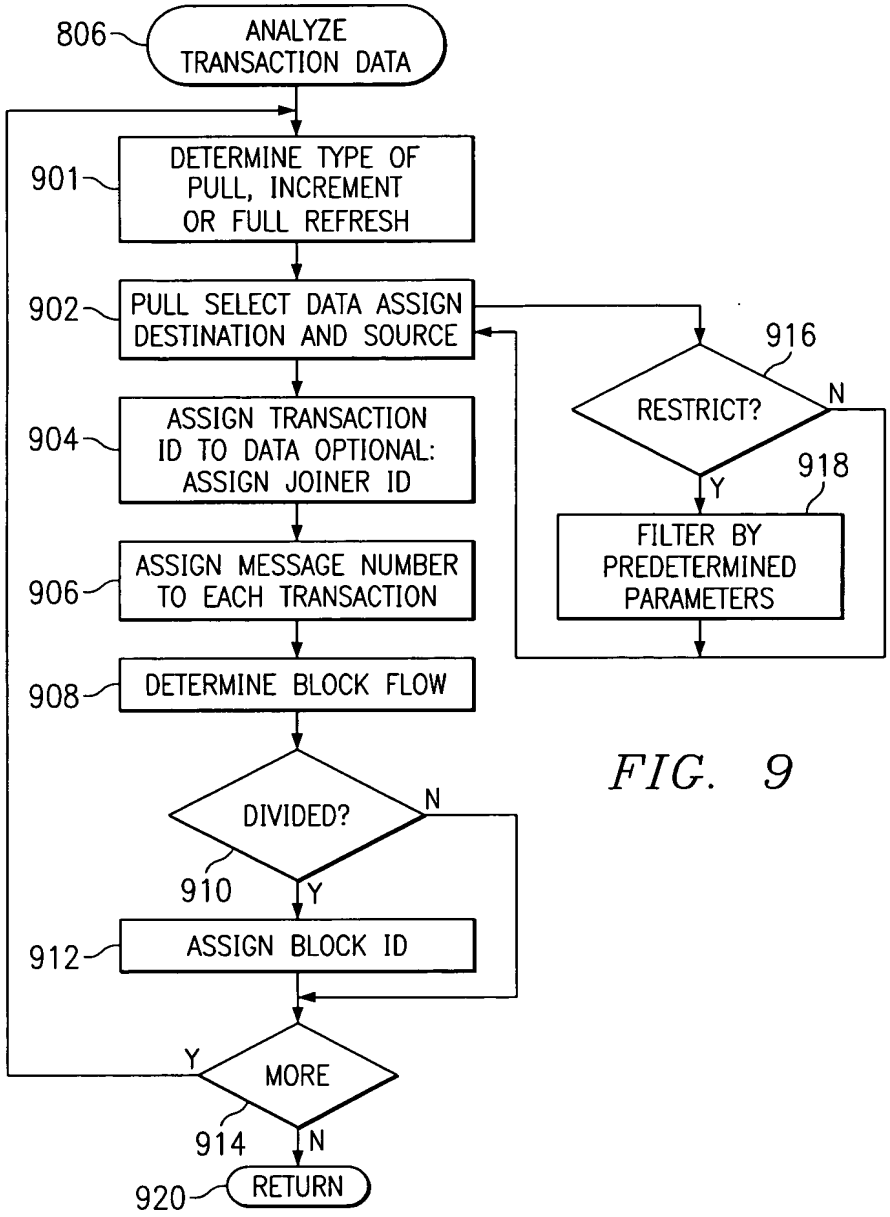


FIG. 9

TRANS TABLE

MESSAGE NUMBER	TRANSACTION ID	JOINER ID	ROW ID	DATE (1002)	BLOCK ID (1004)	RUN ID

FIG. 10

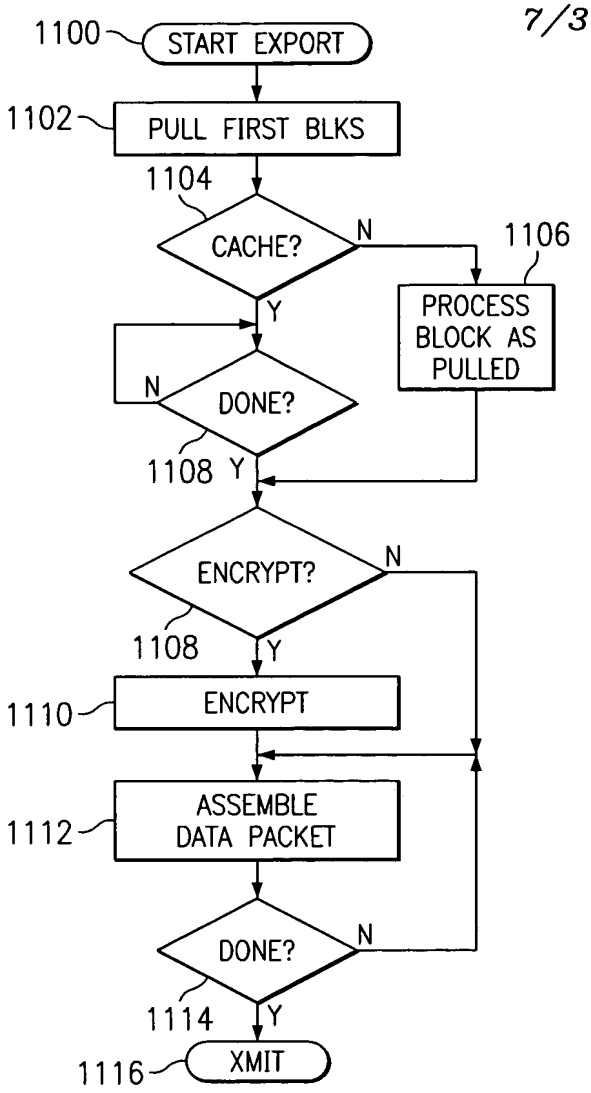


FIG. 11

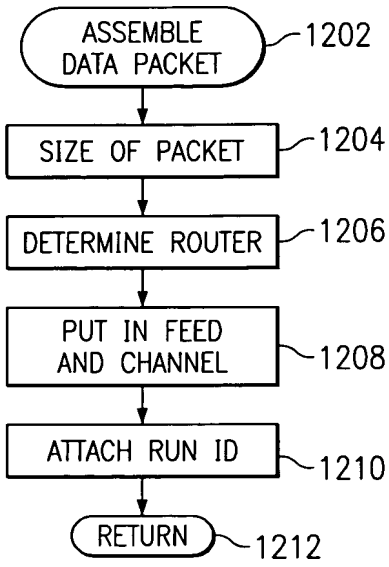


FIG. 12

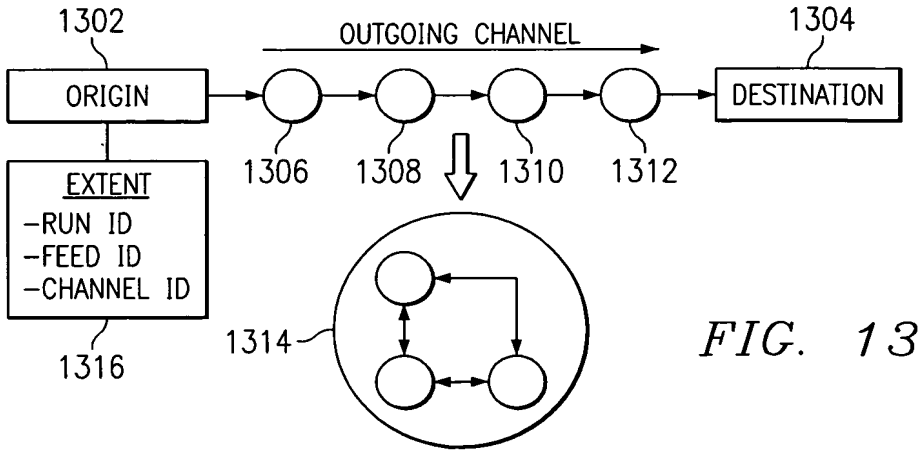


FIG. 13

Docket: 56424.60

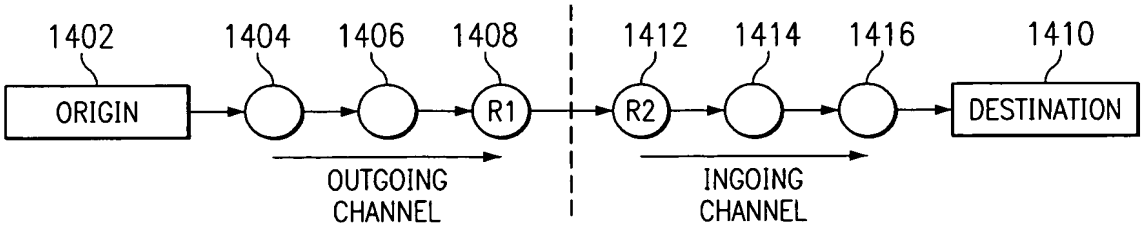


FIG. 14

ROUTER R1

JOINER ID	IDPKT
0128	XXXX
0345	YYYY

ROUTER R2

JOINER ID	IDPKT
0128	ZZZZ
0345	WWWW

FIG. 14a

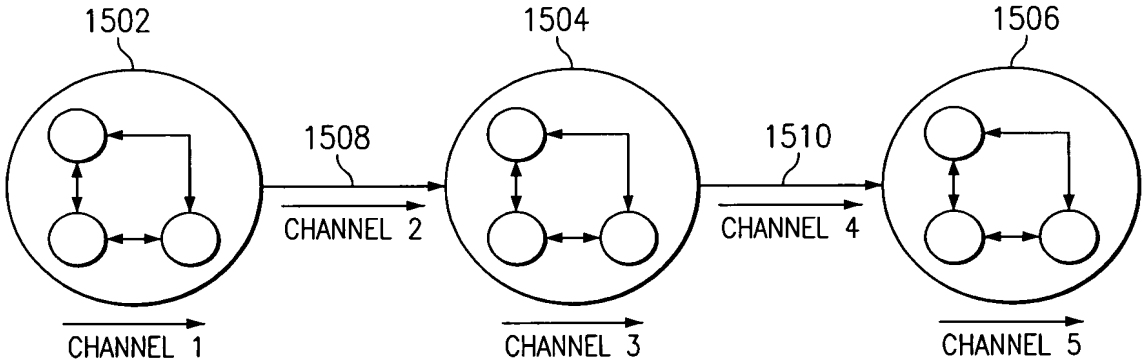


FIG. 15

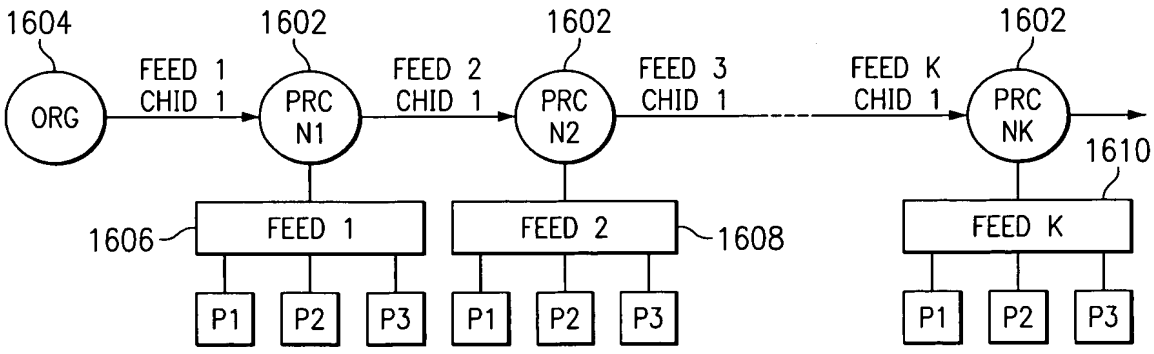


FIG. 16

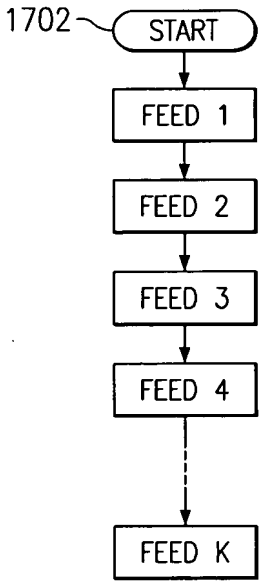


FIG. 17

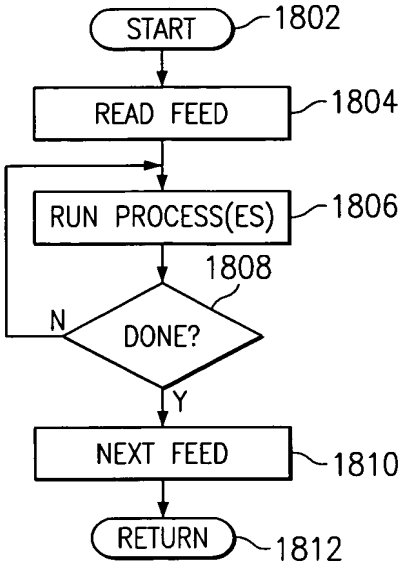


FIG. 18

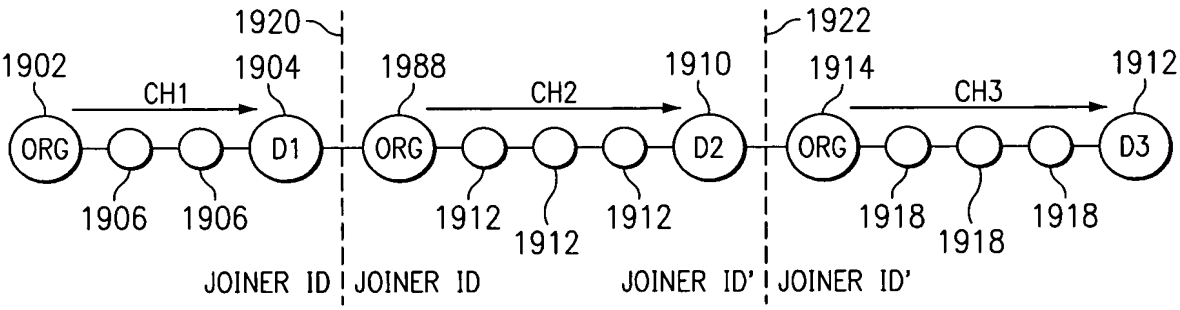


FIG. 19

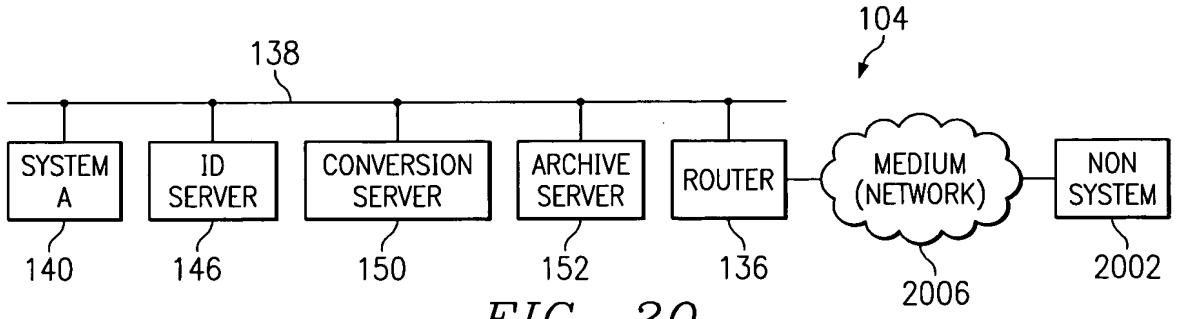


FIG. 20

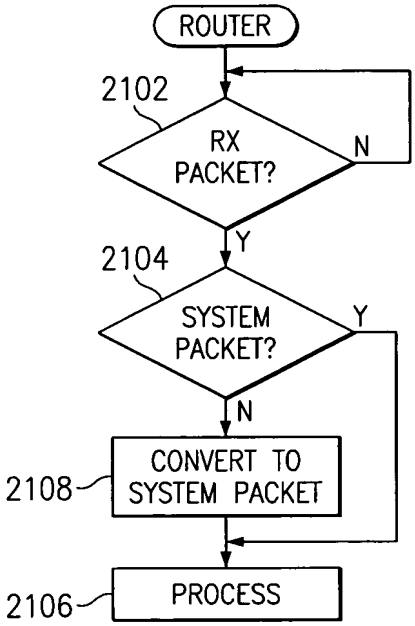


FIG. 21

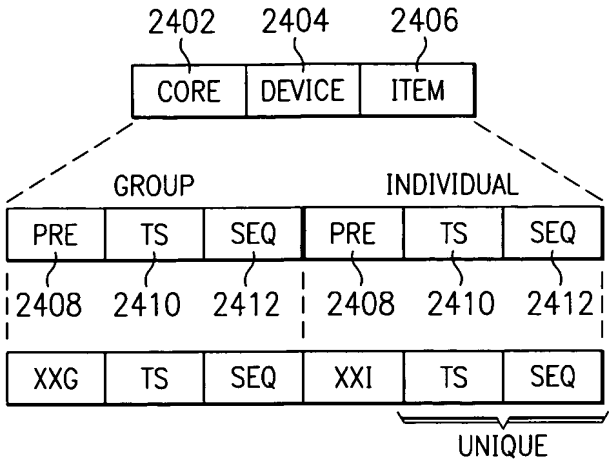


FIG. 24

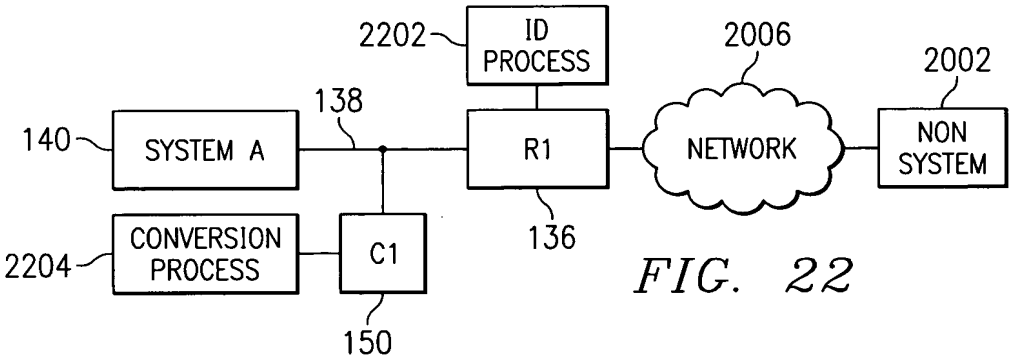


FIG. 22

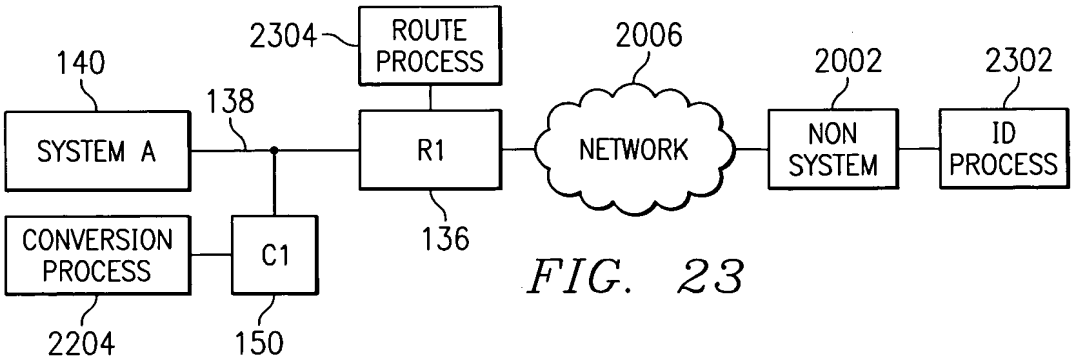


FIG. 23

Docket: 56,126

TABLE 1

CORE (WHO)	DEVICE (WHERE)	ITEM (WHAT)
CORPORATION OR ENTITY	ASSIGNEE OF THE PACKET, e.g., COMPUTER, PHONE, ETC	OBJECT, e.g., ARTICLE, NET ADDRESS, REAL ESTATE PROPERTY, ETC

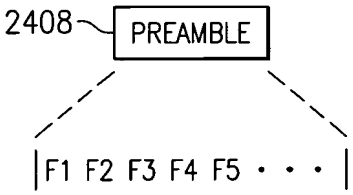


TABLE 2

F1	F2	F3	F4	F5	TS/SEQ	CONTENT
A	B	Z	C	W	XXXX	———
C	T	Q	I	C	XXXX	———
F	L	A	K	L	XXXX	———
G	M	B	R	S	XXXX	———

FIG. 25

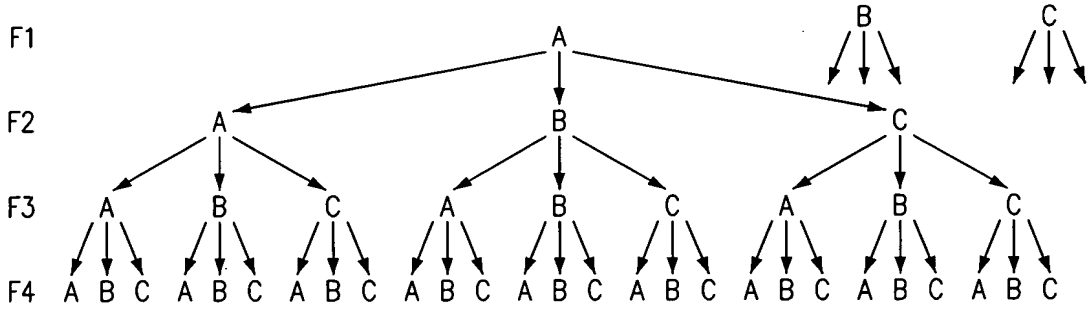


FIG. 26

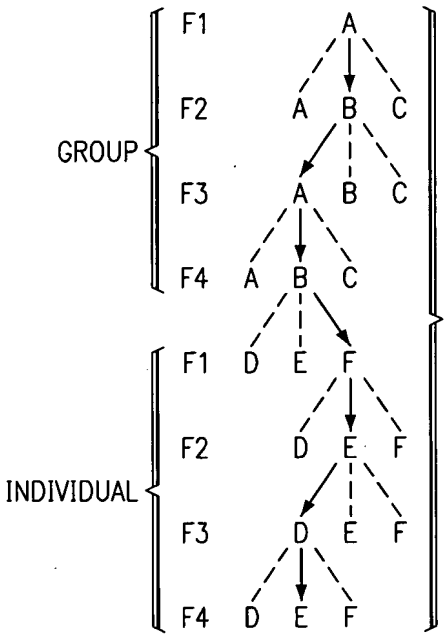


FIG. 27

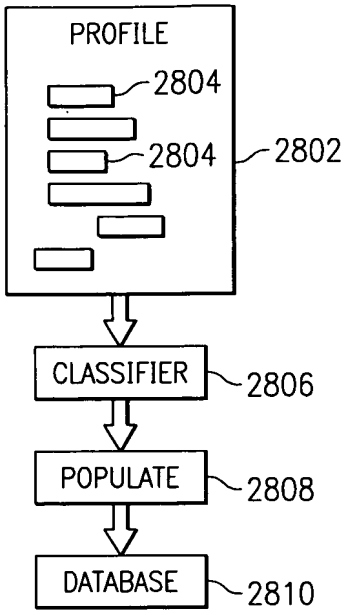


FIG. 28

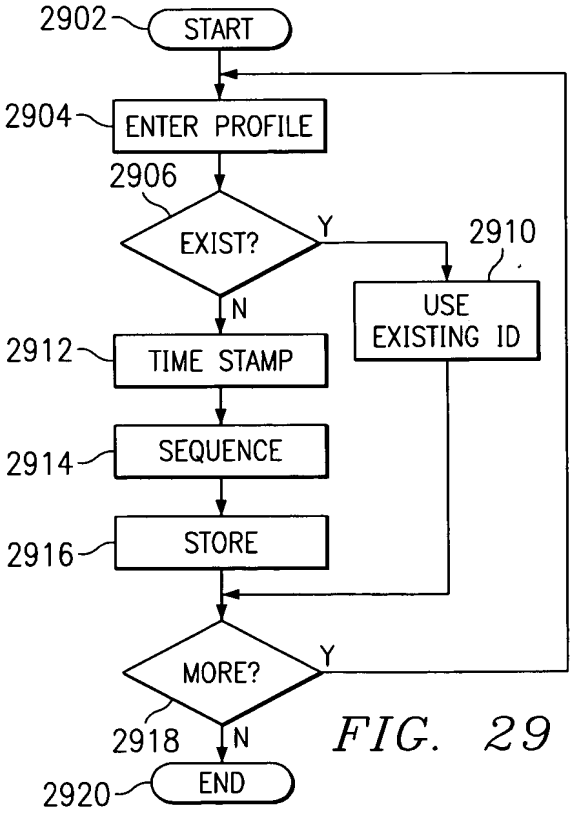


FIG. 29

PP (CATHETER) CI → PPCBIITS/S
PP (CATHETER) CI ↗
PP (CATTHETER) CI → PPCLIITS/S
PP (CALHETER) VI → PPCPIITS/S

FIG. 30

FOSDOCID: 6654760

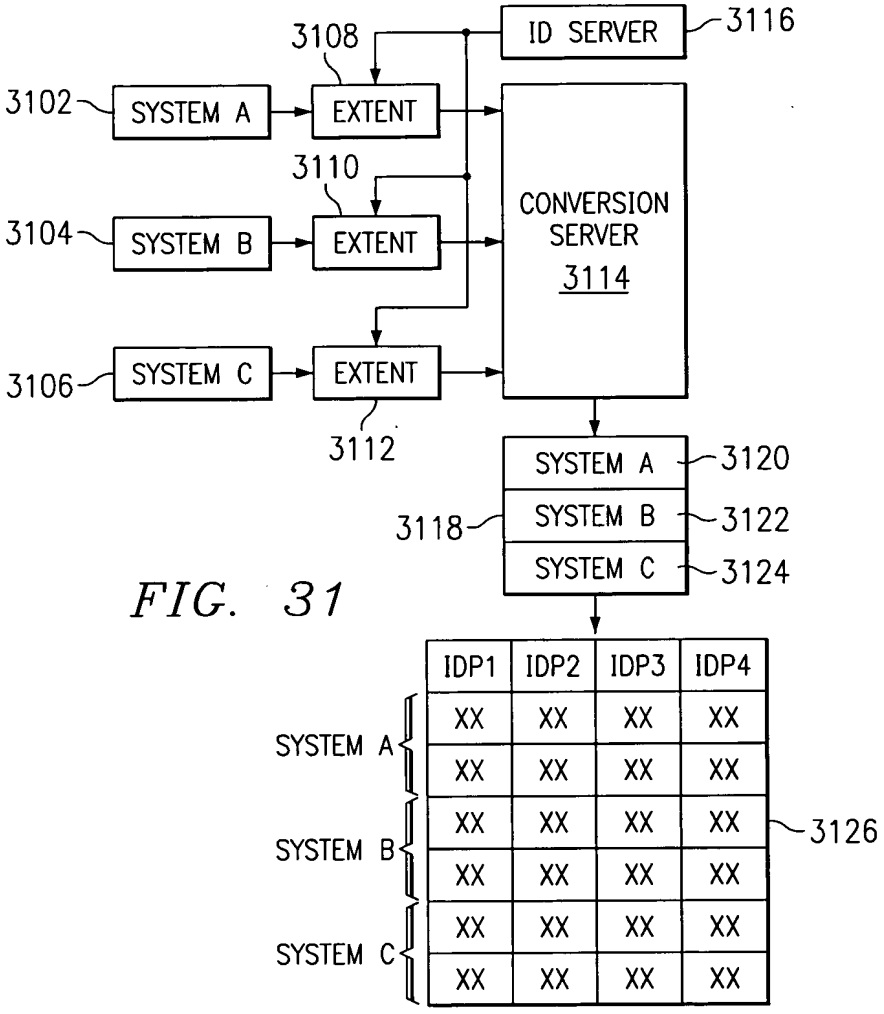


FIG. 31

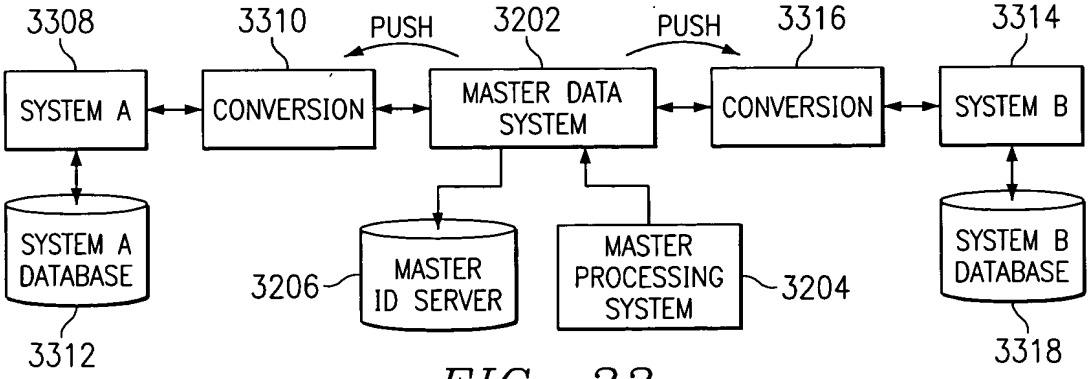


FIG. 32

FOSSOT 65747660

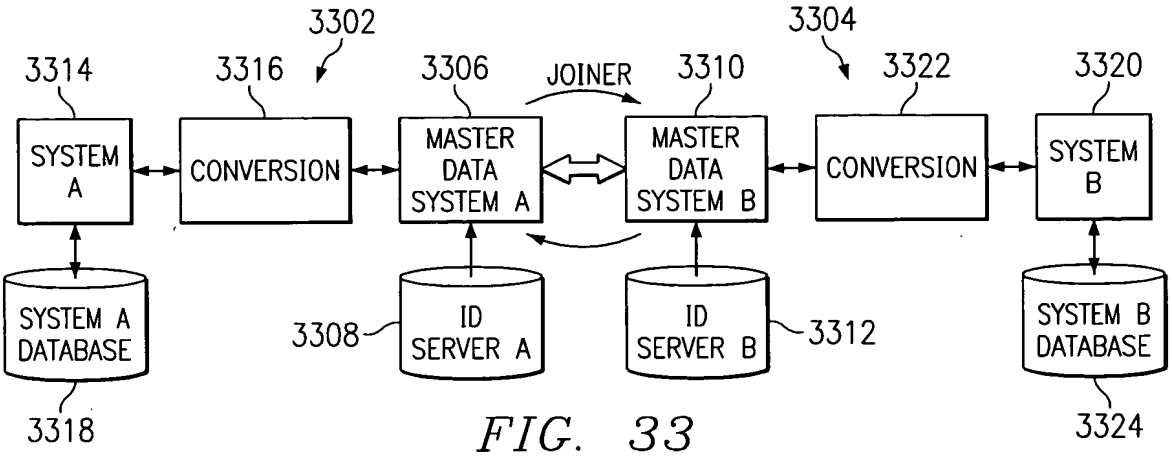


FIG. 33

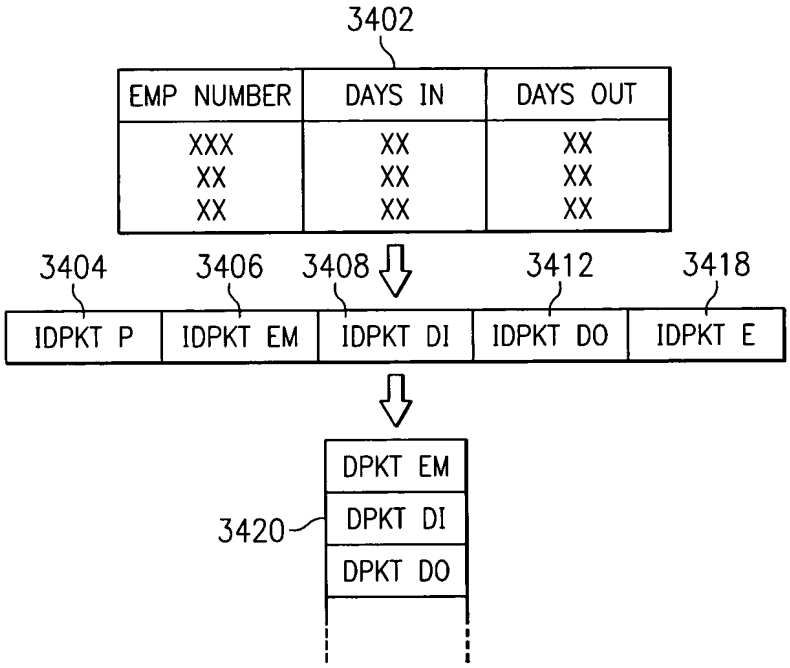


FIG. 34

EMP	IDPKT
EMP 1	DIN
EMP 1	DOUT
EMP 2	DIN
EMP 2	DOUT

FIG. 34a

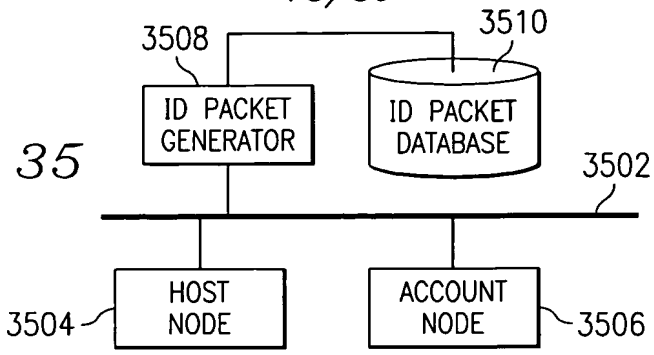


FIG. 35

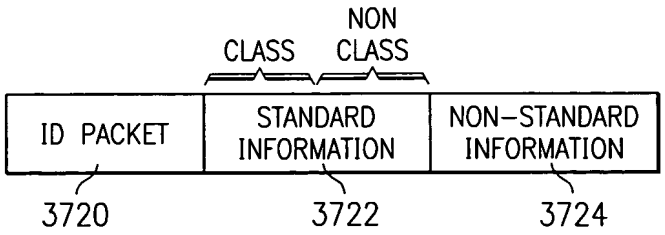


FIG. 37a

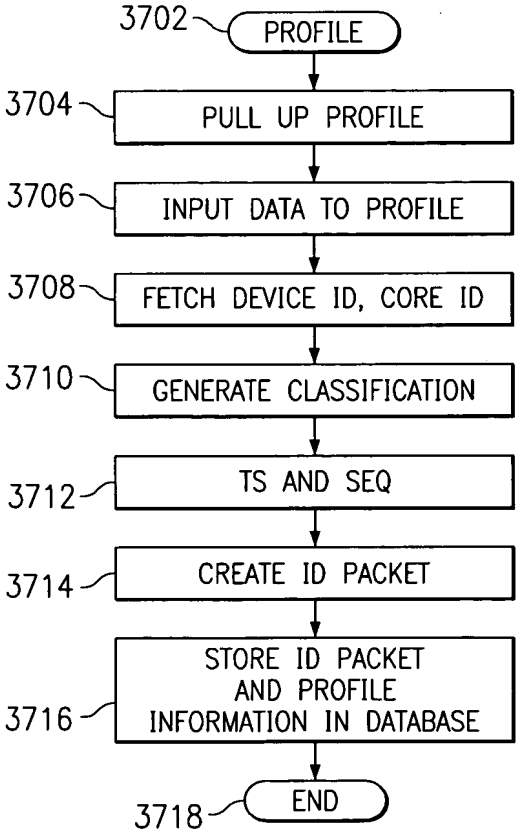


FIG. 37

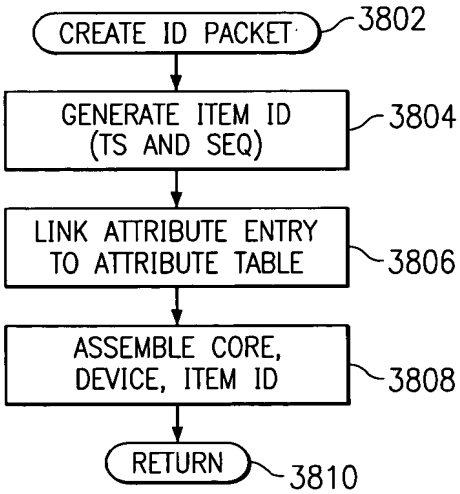


FIG. 38

T05007-656726560

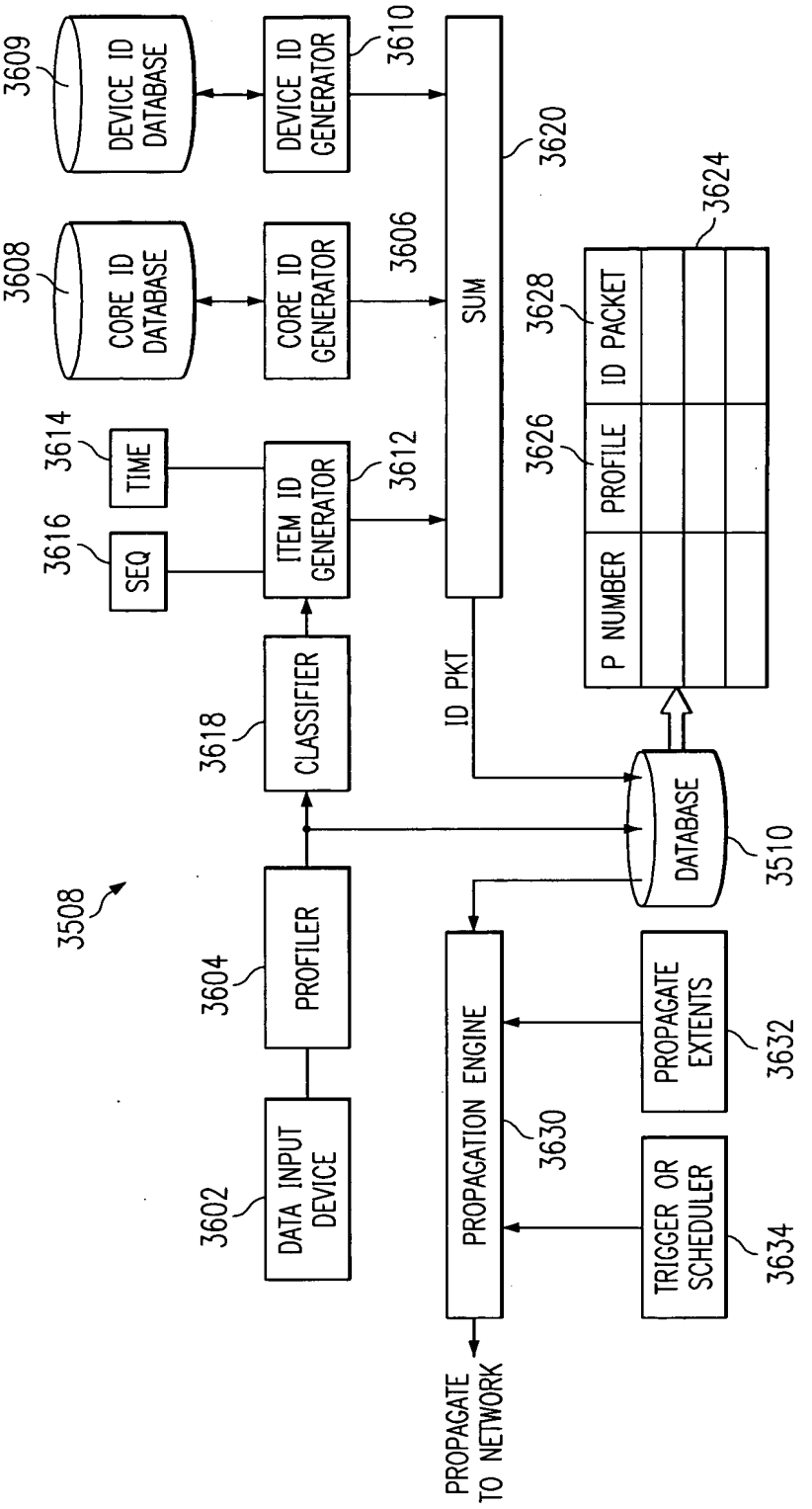

3609
DEVICE ID DATABASE
DEVICE ID GENERATOR
3610
3620
3608
CORE ID DATABASE
CORE ID GENERATOR
3606
SUM
3624
3628
ID PACKET
3614
TIME
3626
PROFILE
3612
ITEM ID GENERATOR
3616
SEQ
P NUMBER
3618
CLASSIFIER
ID PKT
3508
DATABASE
3510
3604
PROFILER
PROPAGATION ENGINE
PROPAGATE EXTENTS
3632
3630
3602
DATA INPUT DEVICE
TRIGGER OR SCHEDULER
3634
PROPAGATE TO NETWORK

FIG. 36

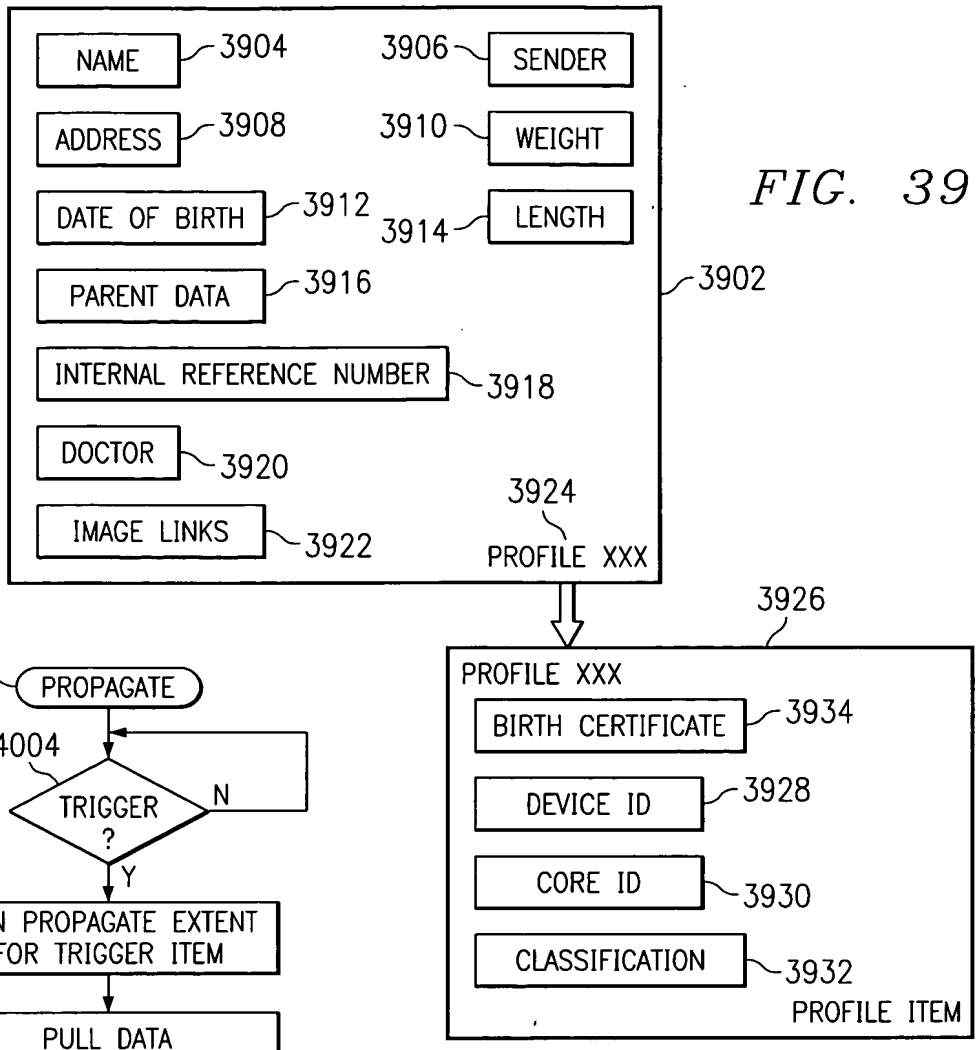


FIG. 39

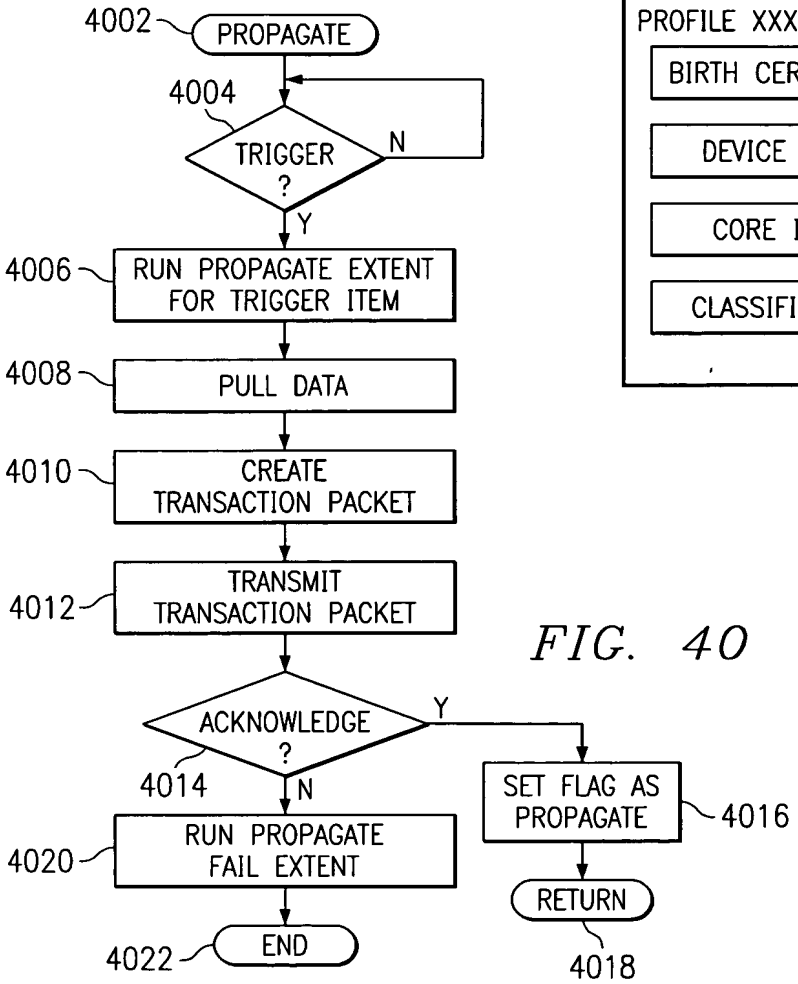


FIG. 40

TOSOT: 6667360

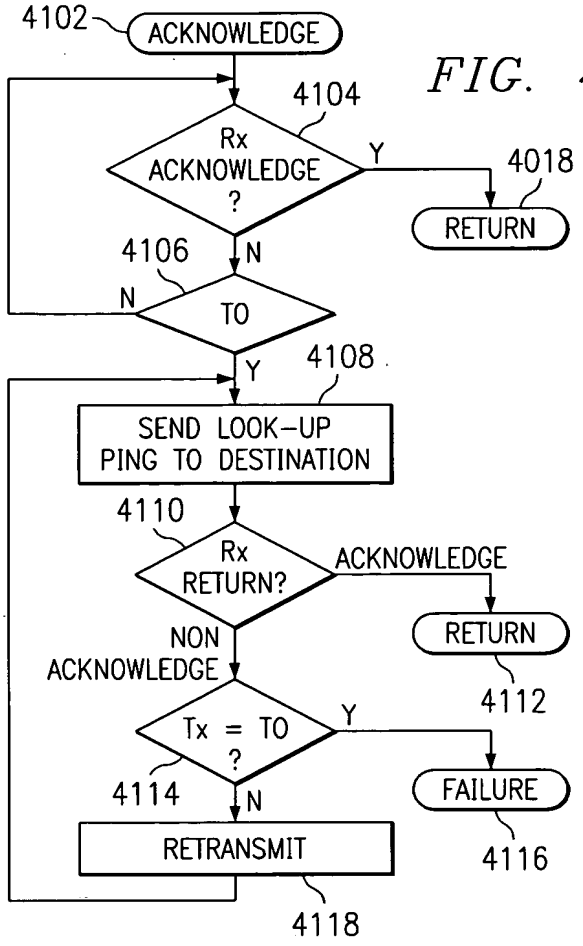


FIG. 41

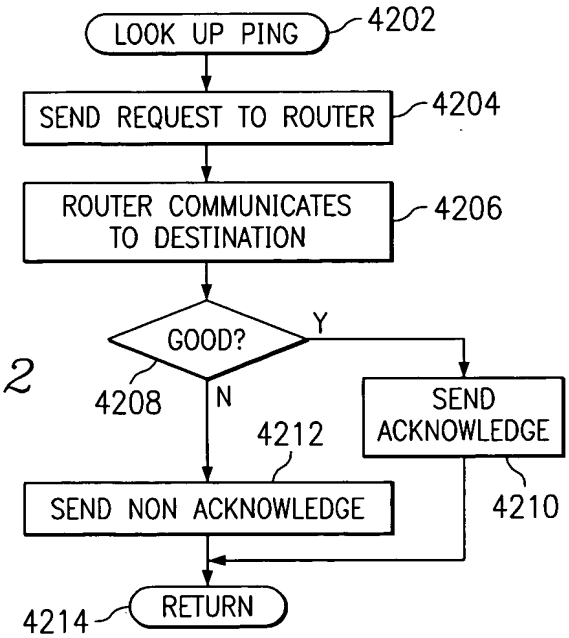


FIG. 42

EXHIBIT 1026

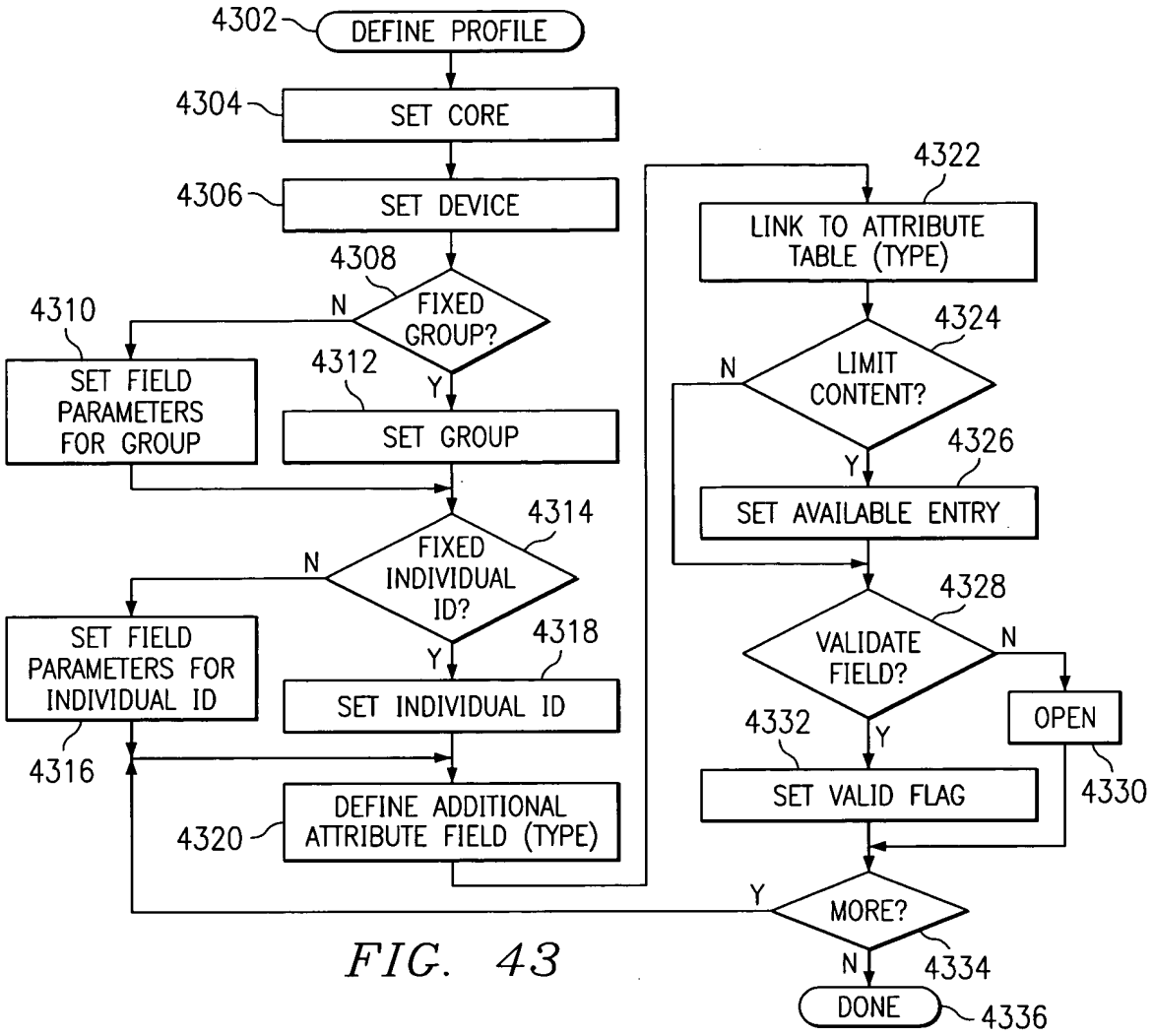

4302
DEFINE PROFILE
4304
SET CORE
4306
SET DEVICE
4308
FIXED GROUP?
N
Y
4310
SET FIELD PARAMETERS FOR GROUP
4312
SET GROUP
4314
FIXED INDIVIDUAL ID?
N
Y
SET FIELD PARAMETERS FOR INDIVIDUAL ID
4316
4318
SET INDIVIDUAL ID
4320
DEFINE ADDITIONAL ATTRIBUTE FIELD (TYPE)
4322
LINK TO ATTRIBUTE TABLE (TYPE)
4324
LIMIT CONTENT?
N
Y
4326
SET AVAILABLE ENTRY
4328
VALIDATE FIELD?
N
Y
OPEN
4330
4332
SET VALID FLAG
MORE?
Y
N
4334
DONE
4336

FIG. 43

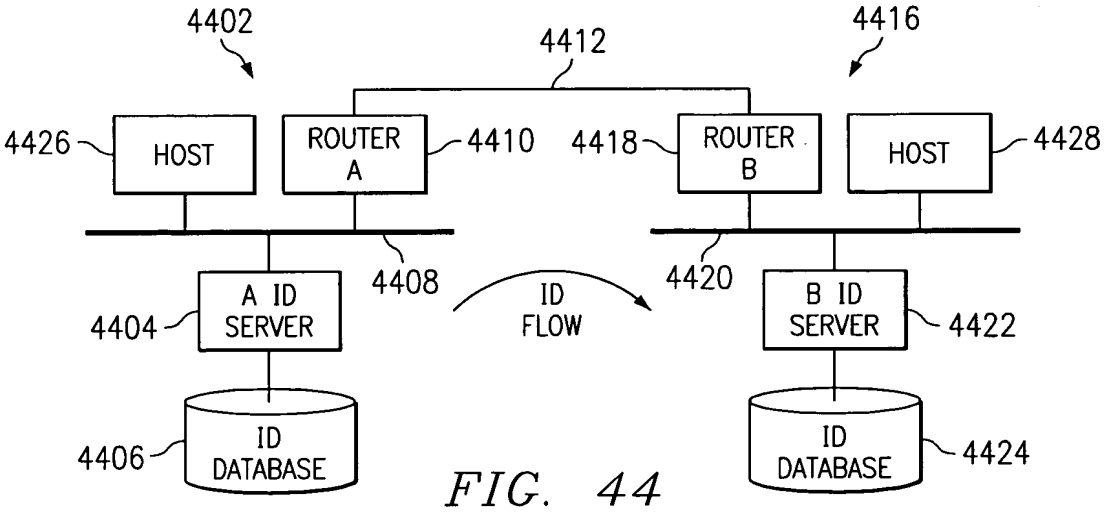

4402
4412
4416
4426
HOST
ROUTER A
4410
4418
ROUTER B
HOST
4428
4408
4420
A ID SERVER
4404
ID FLOW
B ID SERVER
4422
4406
ID DATABASE
ID DATABASE
4424

FIG. 44

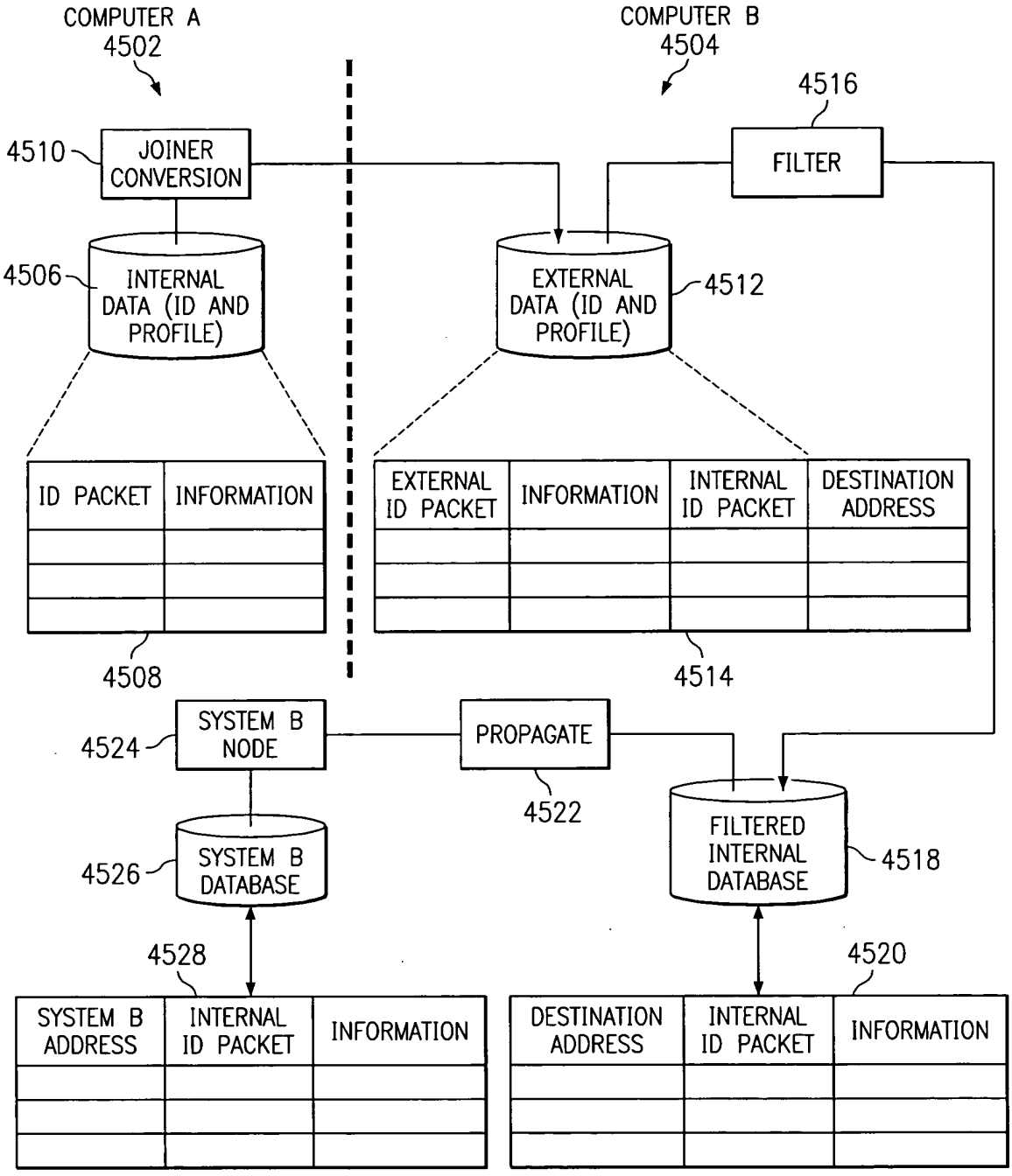

COMPUTER A
4502
COMPUTER B
4504
4516
4510
JOINER CONVERSION
FILTER
4506
INTERNAL DATA (ID AND PROFILE)
EXTERNAL DATA (ID AND PROFILE)
4512
ID PACKET
INFORMATION
EXTERNAL ID PACKET
INFORMATION
INTERNAL ID PACKET
DESTINATION ADDRESS
4508
4514
4524
SYSTEM B NODE
PROPAGATE
4522
4526
SYSTEM B DATABASE
FILTERED INTERNAL DATABASE
4518
4528
4520
SYSTEM B ADDRESS
INTERNAL ID PACKET
INFORMATION
DESTINATION ADDRESS
INTERNAL ID PACKET
INFORMATION

FIG. 45

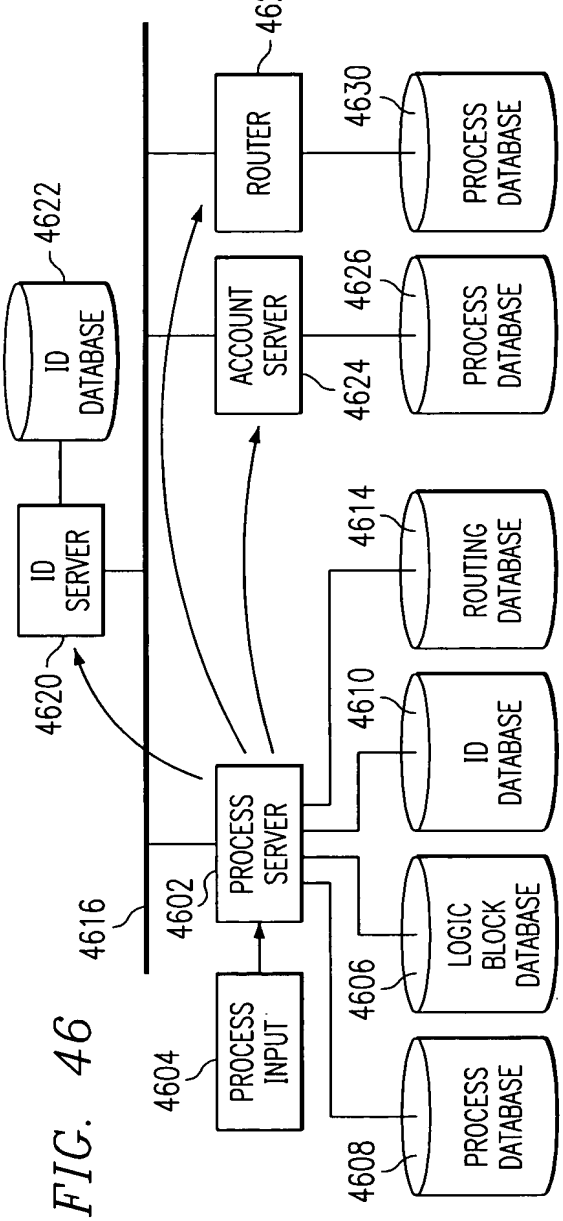

4622
ID DATABASE
4628
ROUTER
4630
PROCESS DATABASE
ACCOUNT SERVER
4626
PROCESS DATABASE
4624
ID SERVER
4620
4614
ROUTING DATABASE
4610
ID DATABASE
4616
4602
PROCESS SERVER
4606
LOGIC BLOCK DATABASE
4604
PROCESS INPUT
4608
PROCESS DATABASE

FIG. 46

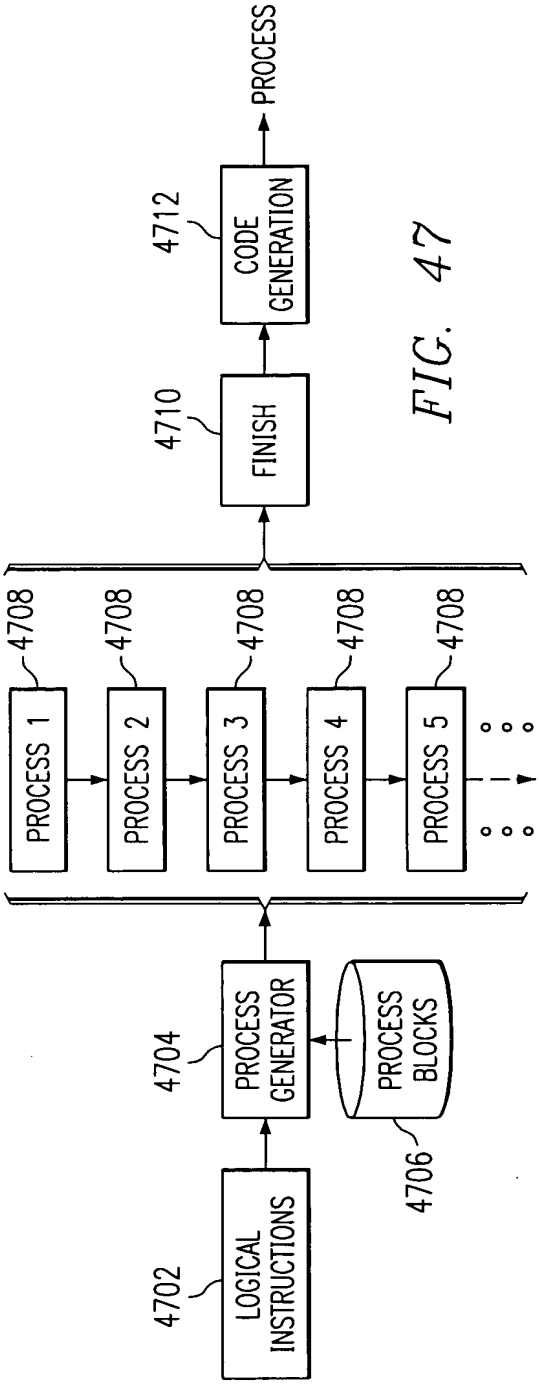

PROCESS
4712
CODE GENERATION
4710
FINISH
4708
PROCESS 1
PROCESS 2
PROCESS 3
PROCESS 4
PROCESS 5
4704
PROCESS GENERATOR
PROCESS BLOCKS
4706
4702
LOGICAL INSTRUCTIONS

FIG. 47

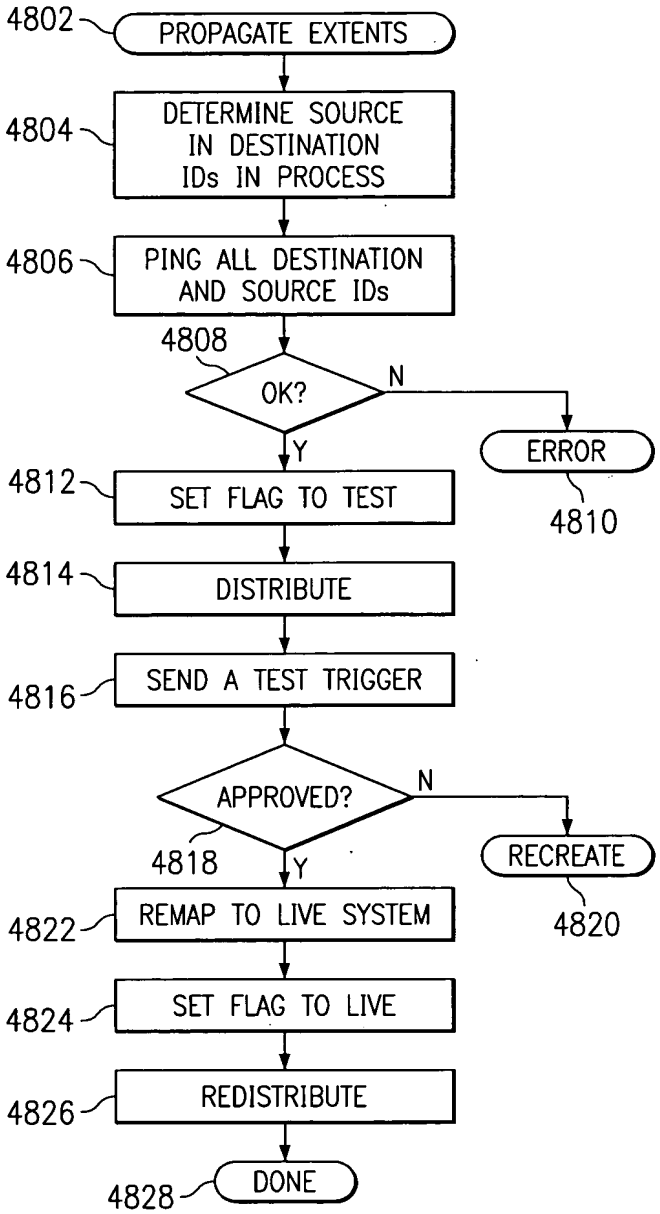
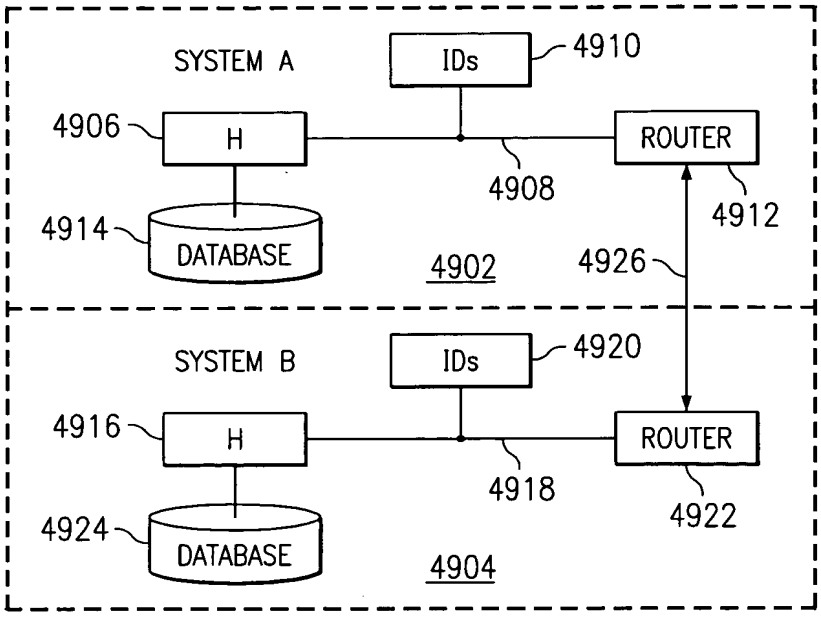


FIG. 48

FIG. 50

VENDOR	SYSTEM A		SYSTEM B	
	VID	IDPKT	VID	IDPKT
ABC	123	XXX	567	YYY

FIG. 49



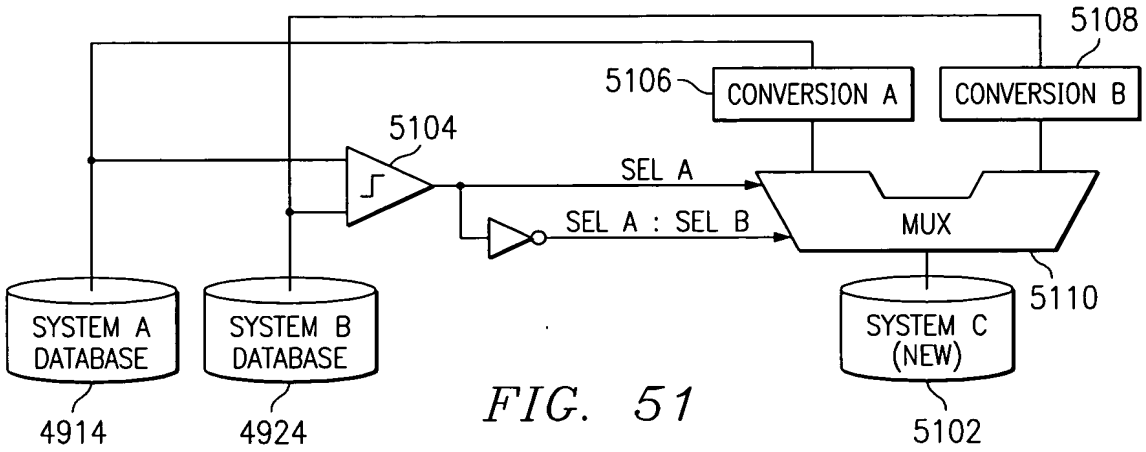


FIG. 51

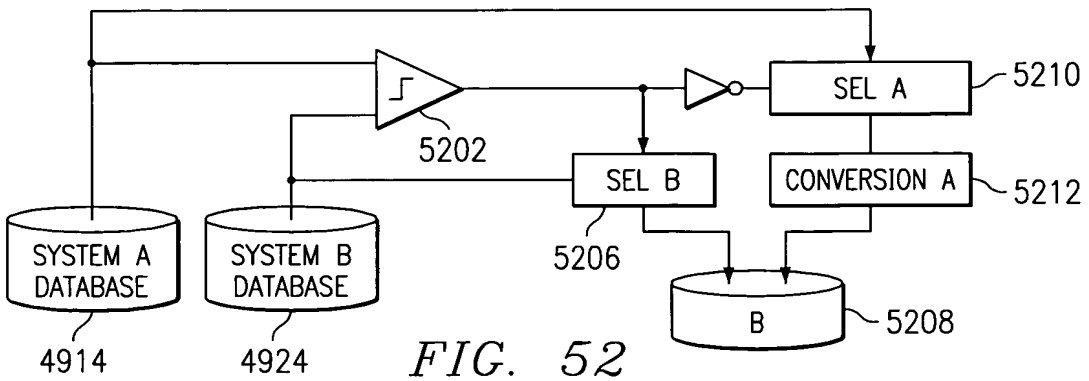


FIG. 52

TOSOT "656T260

FIG. 53

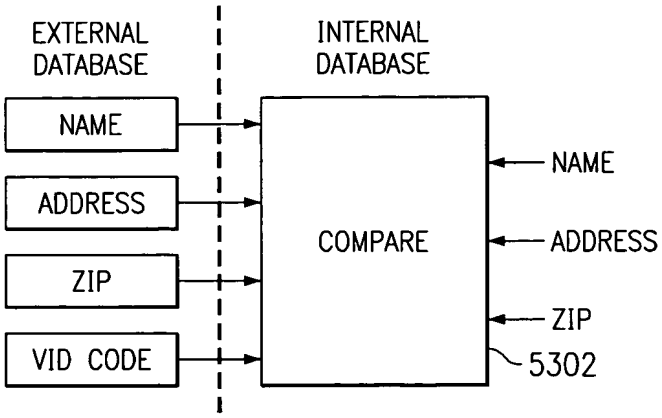
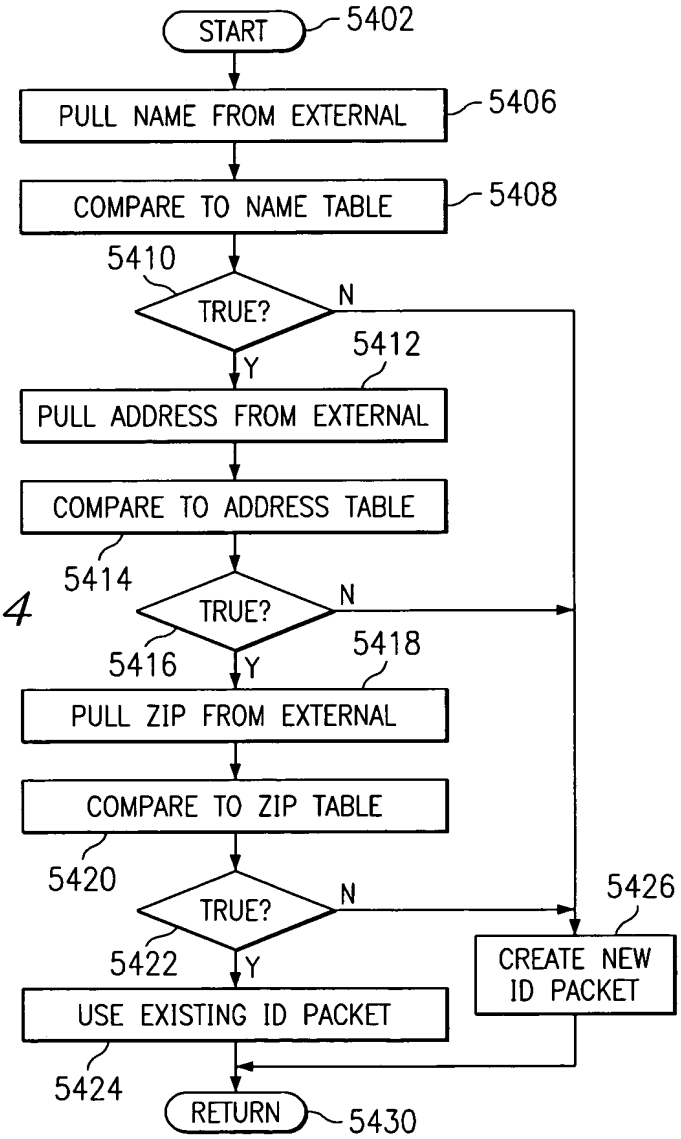

EXTERNAL DATABASE
INTERNAL DATABASE
NAME
ADDRESS
ZIP
VID CODE
COMPARE
NAME
ADDRESS
ZIP
5302

FIG. 54


START
5402
PULL NAME FROM EXTERNAL
5406
COMPARE TO NAME TABLE
5408
5410
TRUE?
N
Y
5412
PULL ADDRESS FROM EXTERNAL
COMPARE TO ADDRESS TABLE
5414
TRUE?
N
5416
Y
5418
PULL ZIP FROM EXTERNAL
COMPARE TO ZIP TABLE
5420
TRUE?
N
5426
5422
Y
CREATE NEW ID PACKET
USE EXISTING ID PACKET
5424
RETURN
5430

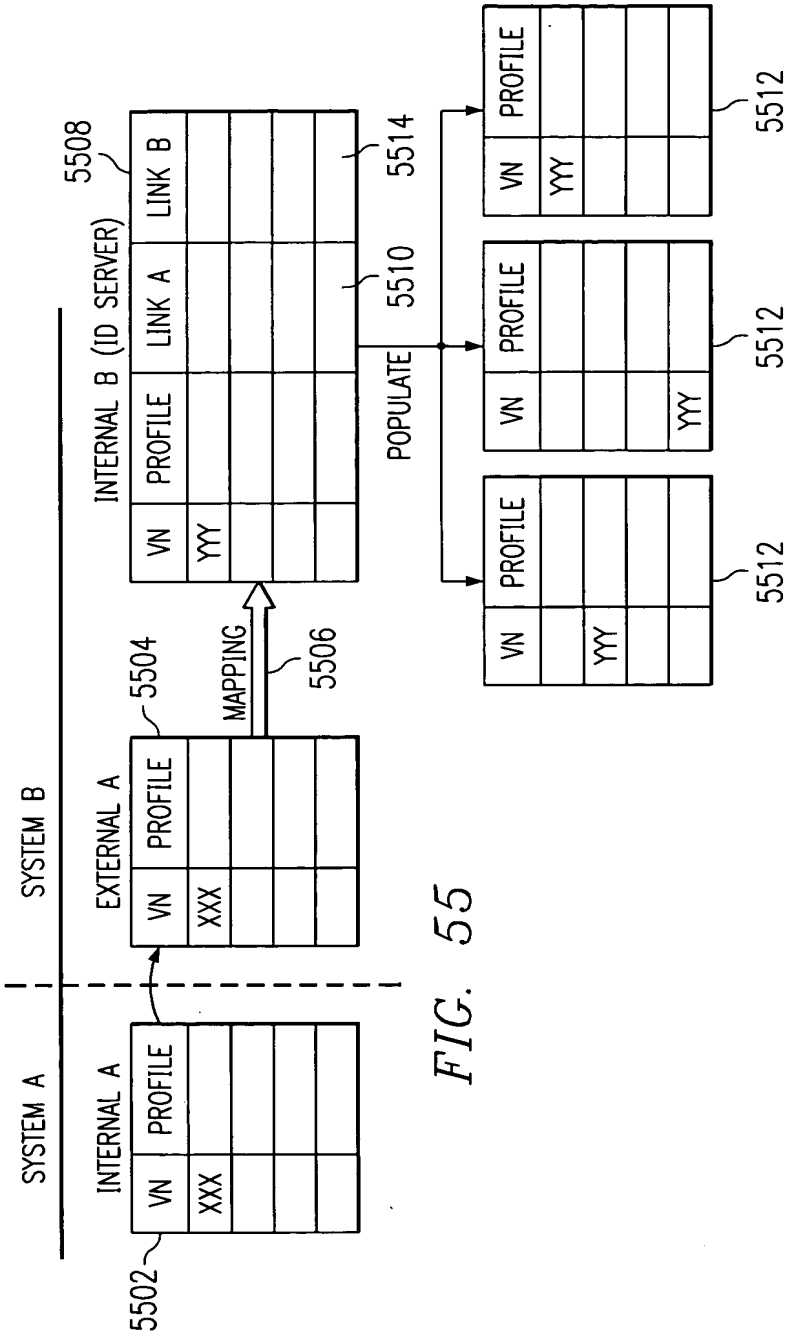

SYSTEM A
SYSTEM B
INTERNAL A
VN
PROFILE
XXX
5502
EXTERNAL A
VN
PROFILE
XXX
5504
MAPPING
5506
INTERNAL B (ID SERVER)
VN
PROFILE
LINK A
LINK B
YYY
5508
5510
5514
POPULATE
VN
PROFILE
YYY
5512

FIG. 55

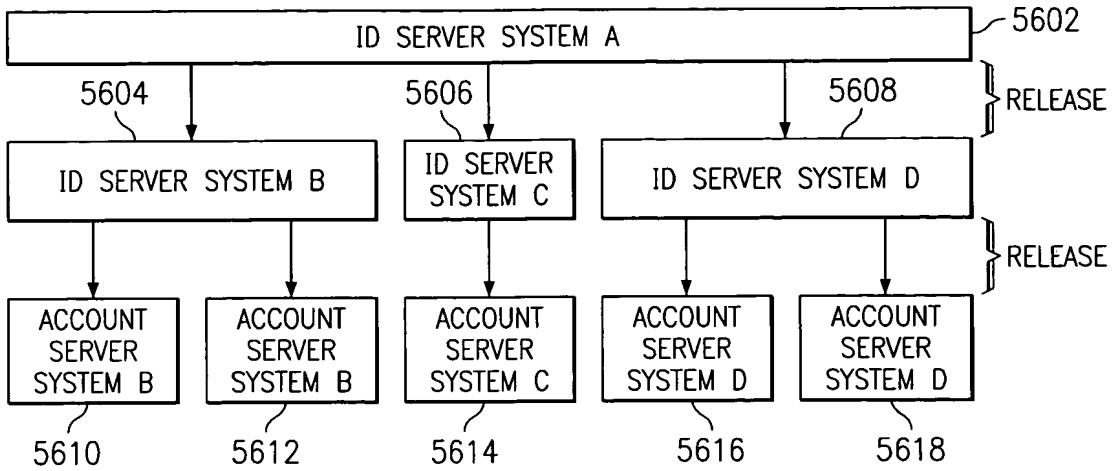


FIG. 56

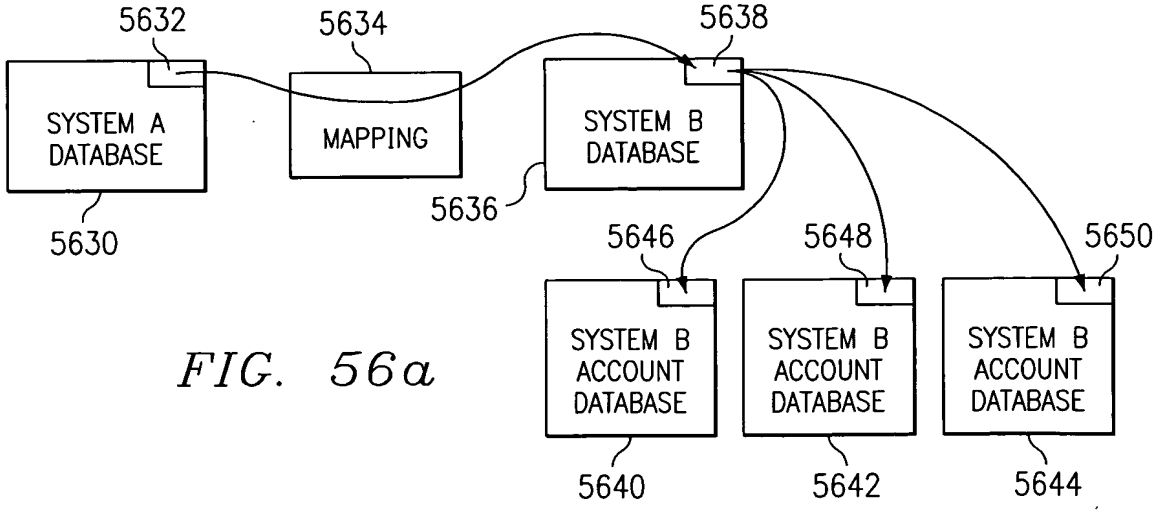


FIG. 56a

Postpat 5674960

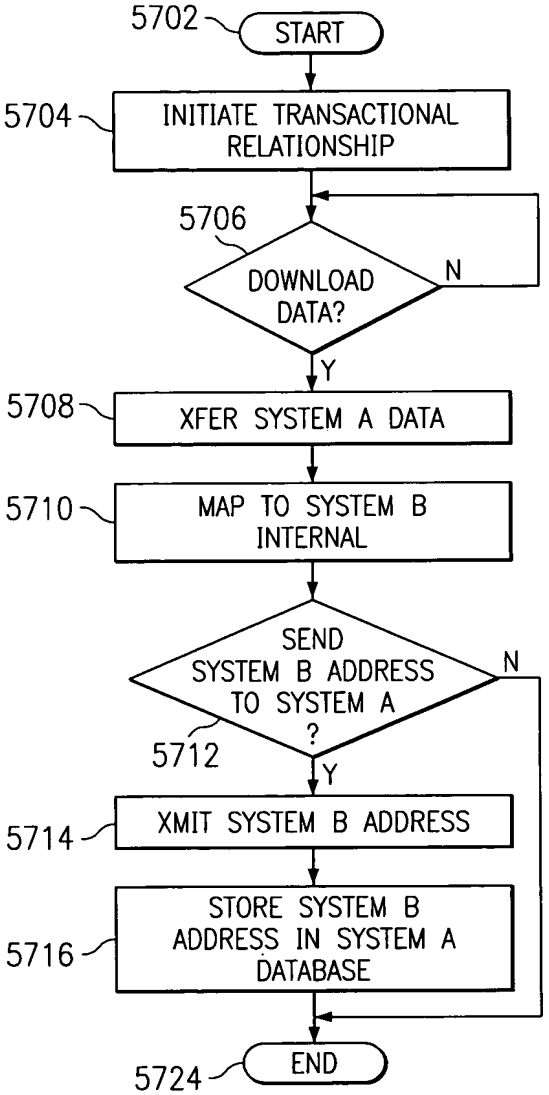


FIG. 57

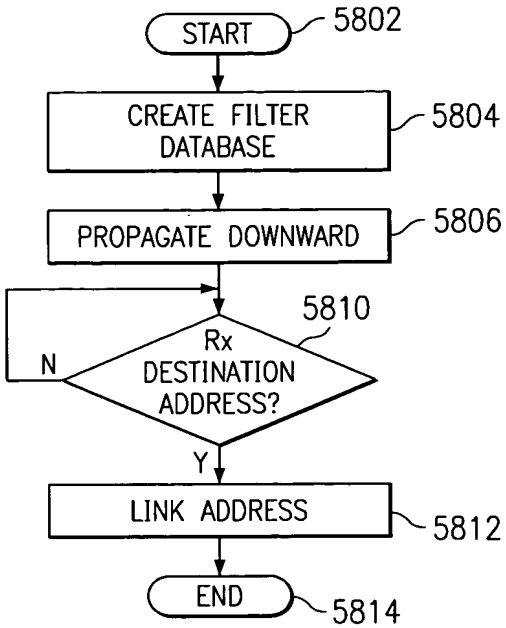


FIG. 58

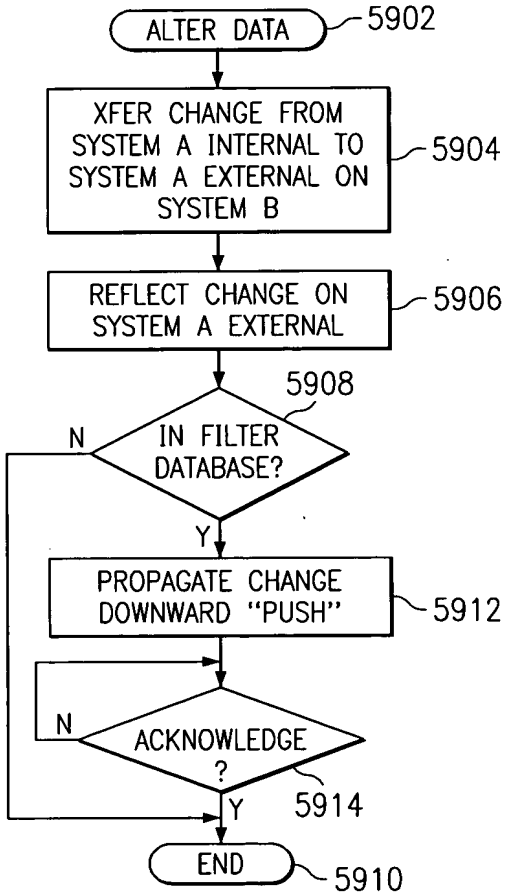


FIG. 59

EXHIBIT 1059

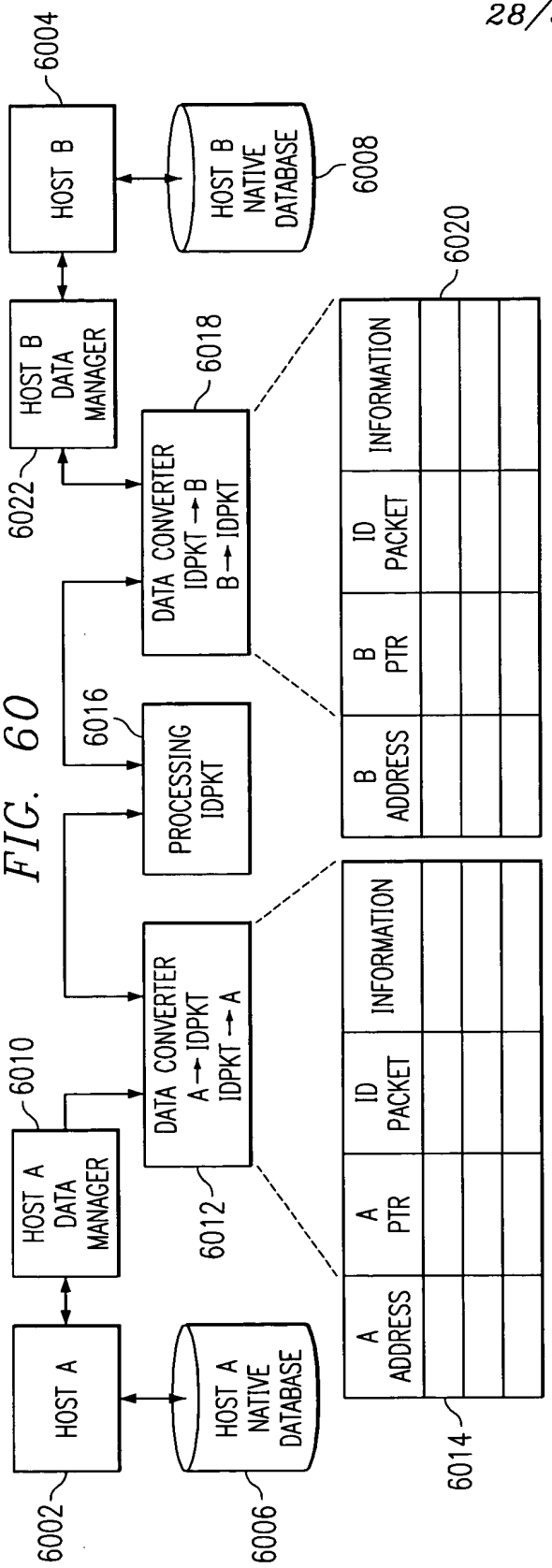


FIG. 60

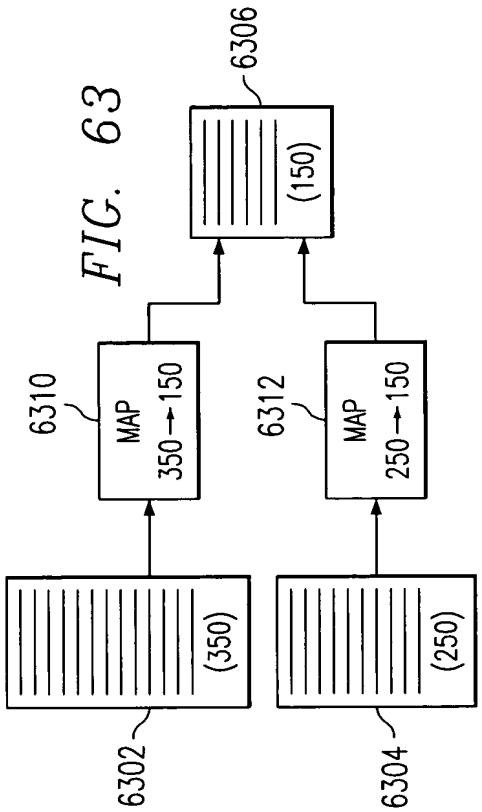


FIG. 63

"DSOT" 66T260

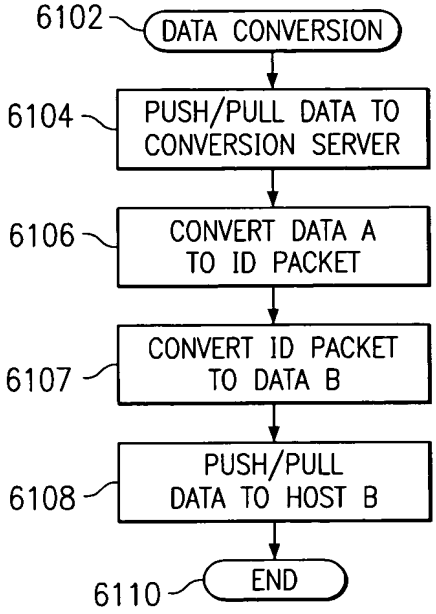


FIG. 61

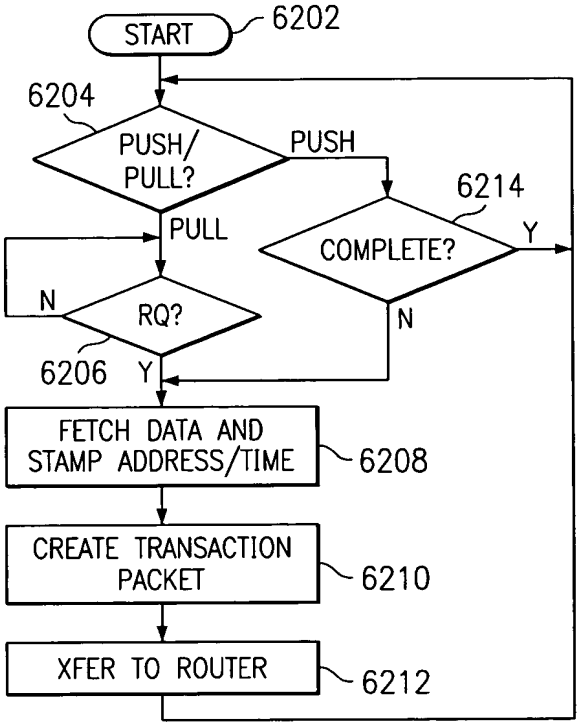


FIG. 62

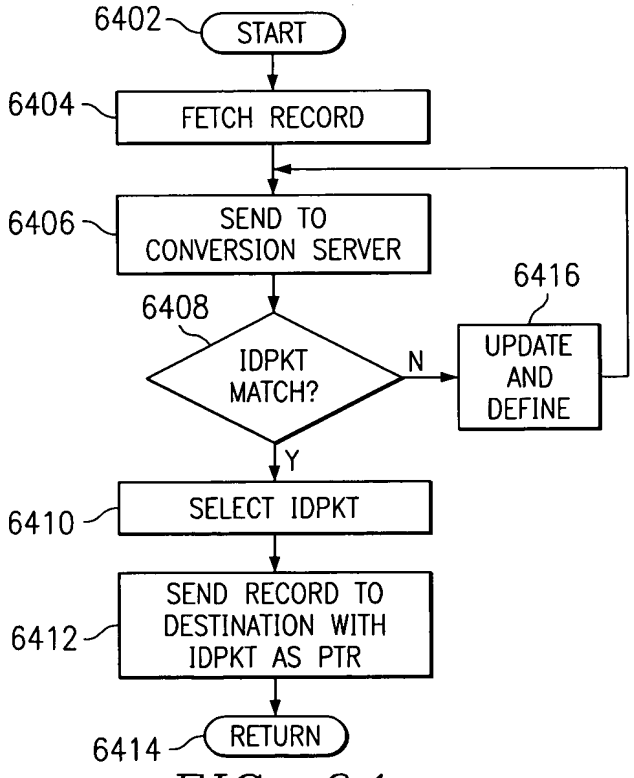


FIG. 64

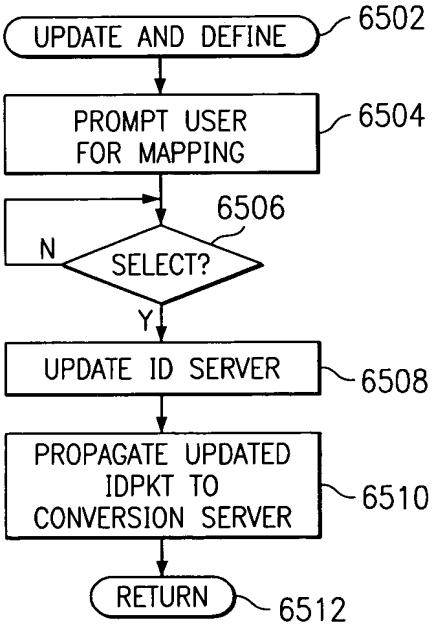


FIG. 65

Express Mail No. EV339...

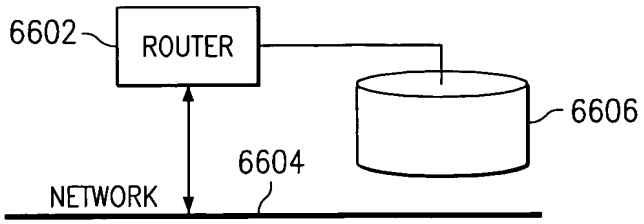


FIG. 66

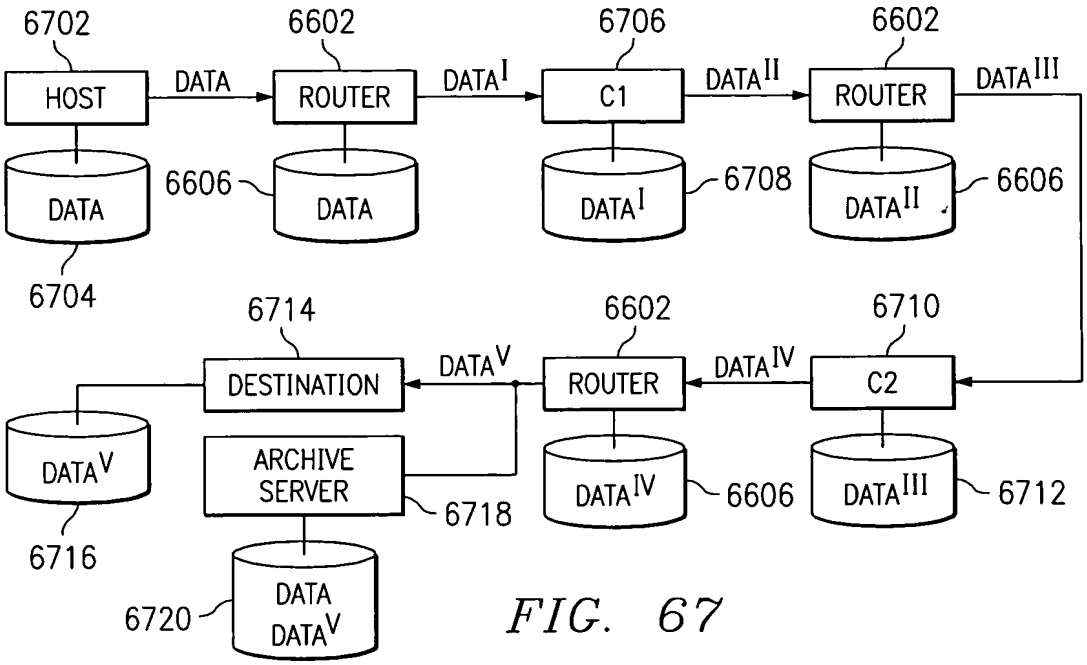


FIG. 67

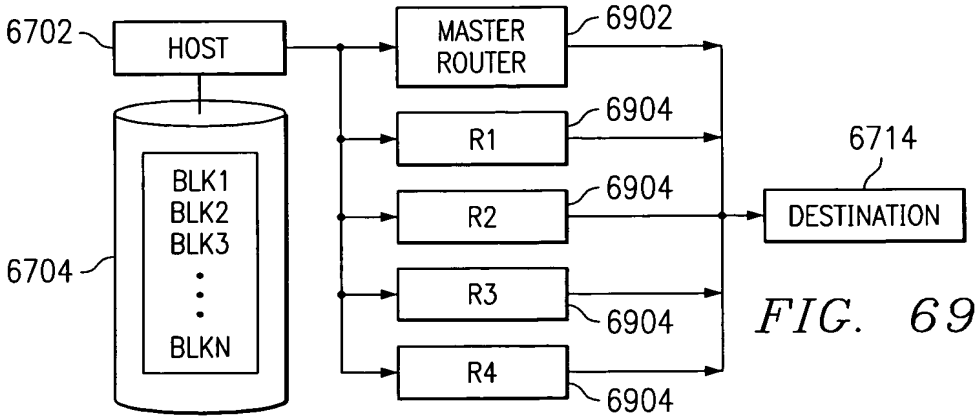


FIG. 69

FOSOT: 66672660

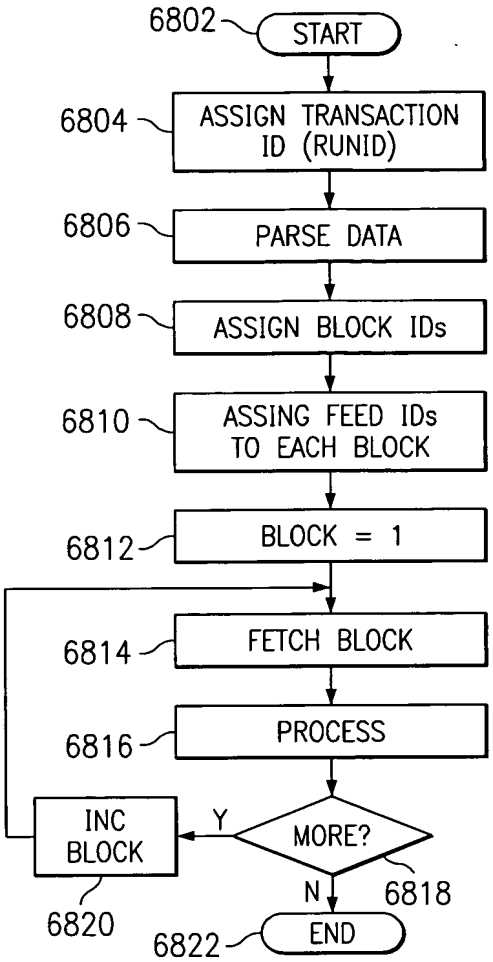

6802
START
6804
ASSIGN TRANSACTION ID (RUNID)
6806
PARSE DATA
6808
ASSIGN BLOCK IDs
6810
ASSING FEED IDs TO EACH BLOCK
6812
BLOCK = 1
6814
FETCH BLOCK
6816
PROCESS
MORE?
Y
N
6818
INC BLOCK
6820
6822
END

FIG. 68

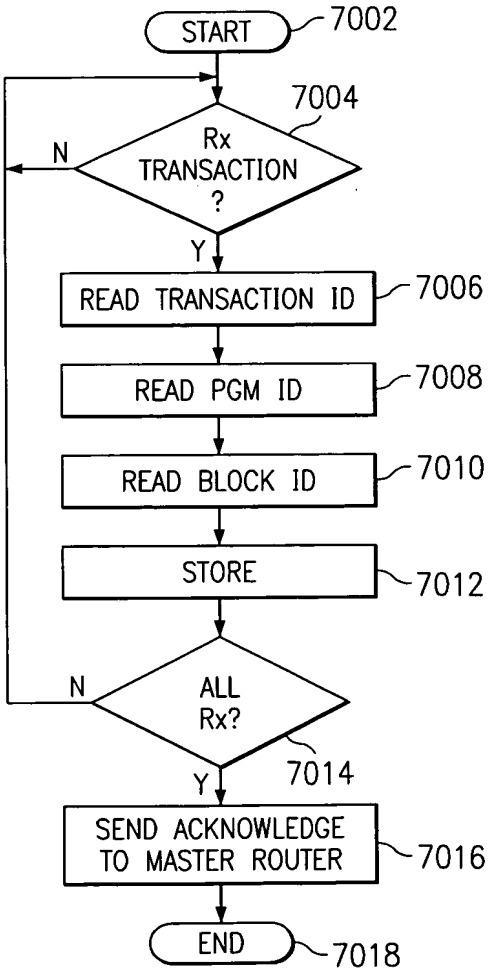

START
7002
7004
Rx TRANSACTION ?
N
Y
READ TRANSACTION ID
7006
READ PGM ID
7008
READ BLOCK ID
7010
STORE
7012
ALL Rx?
N
Y
7014
SEND ACKNOWLEDGE TO MASTER ROUTER
7016
END
7018

FIG. 70

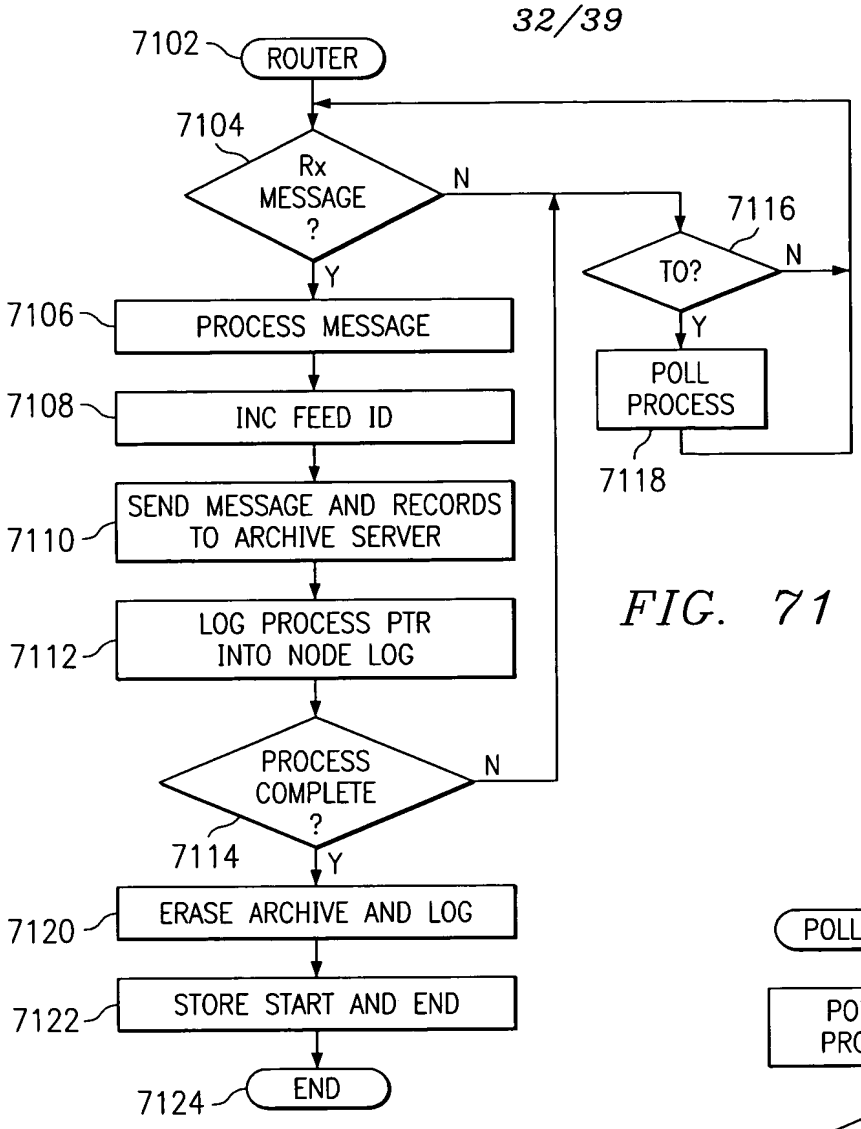


FIG. 71

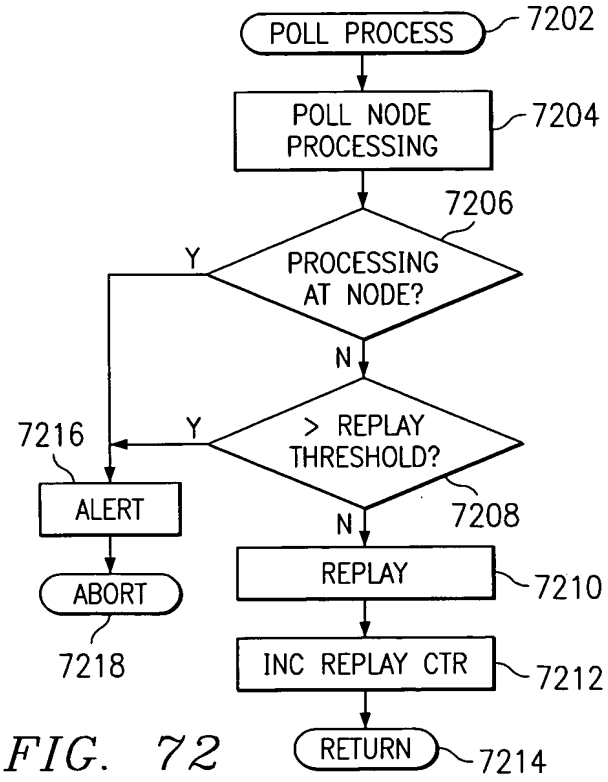


FIG. 72

Patent: 6,574,590

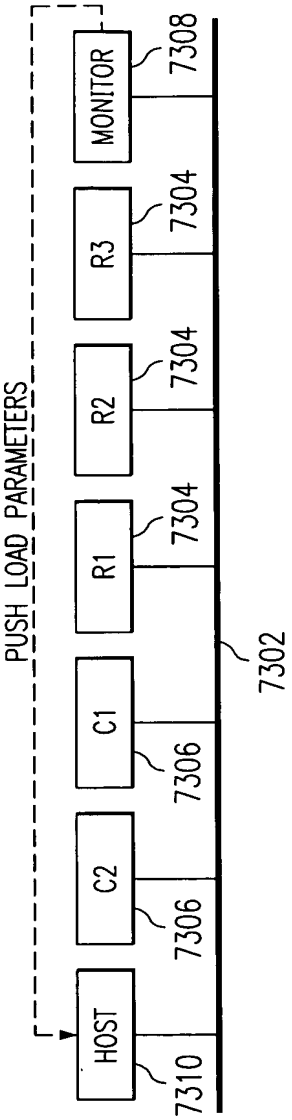

PUSH LOAD PARAMETERS
HOST
C2
C1
R1
R2
R3
MONITOR
7310
7306
7306
7304
7304
7304
7304
7308
7302

FIG. 73

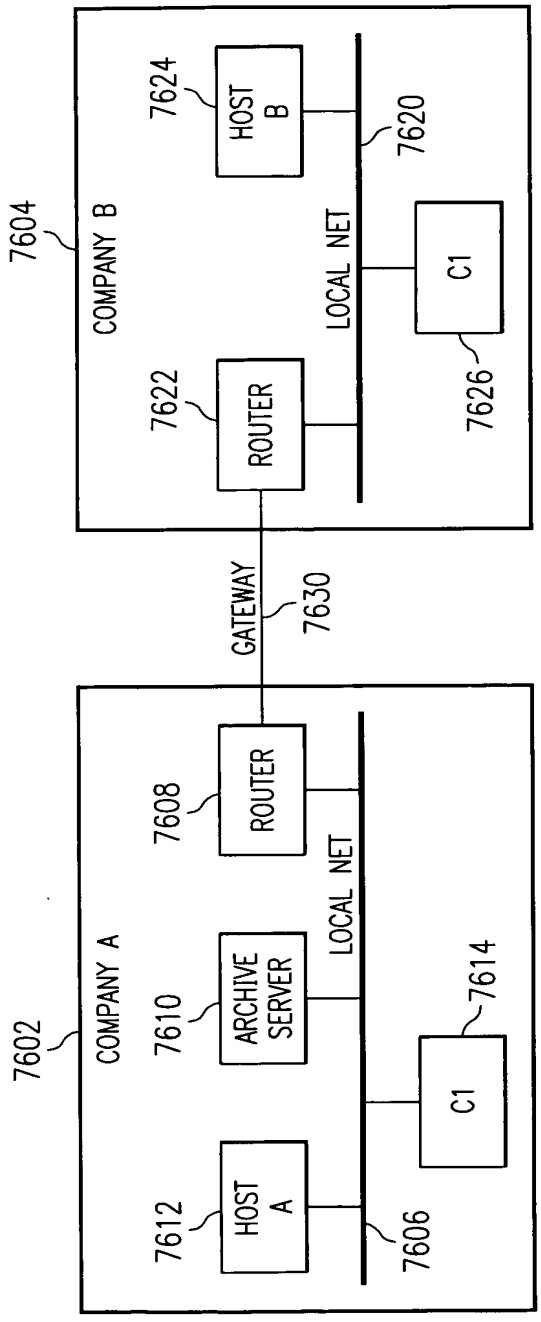

7604
COMPANY B
7624
HOST B
7620
LOCAL NET
C1
7622
ROUTER
7626
GATEWAY
7630
7602
COMPANY A
7608
ROUTER
7610
ARCHIVE SERVER
LOCAL NET
7614
C1
7612
HOST A
7606

FIG. 76

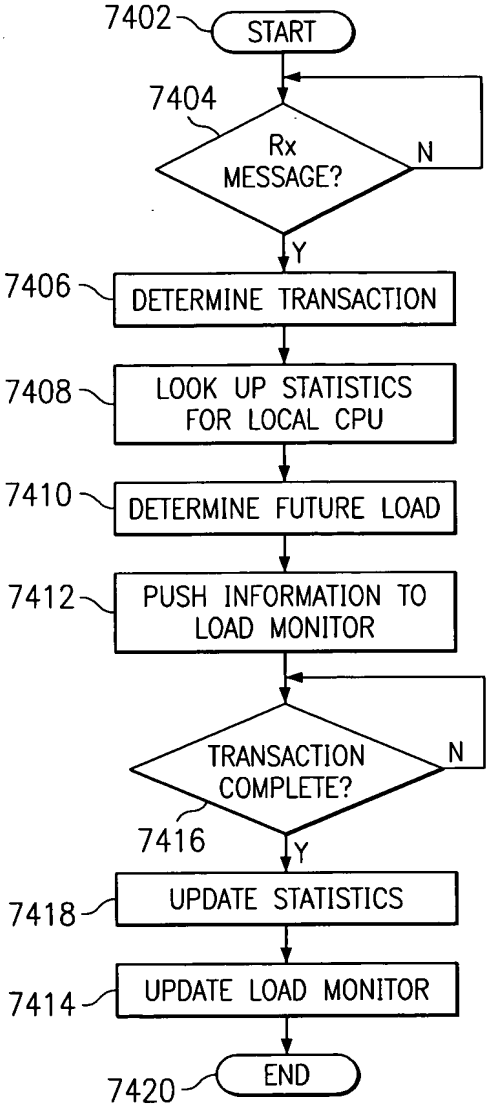


FIG. 74

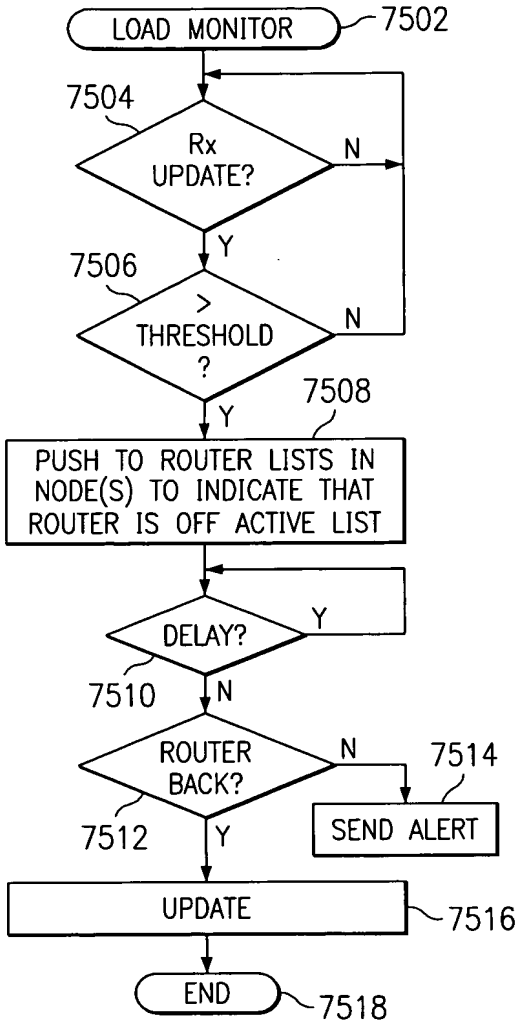


FIG. 75

EPSON-EX2360

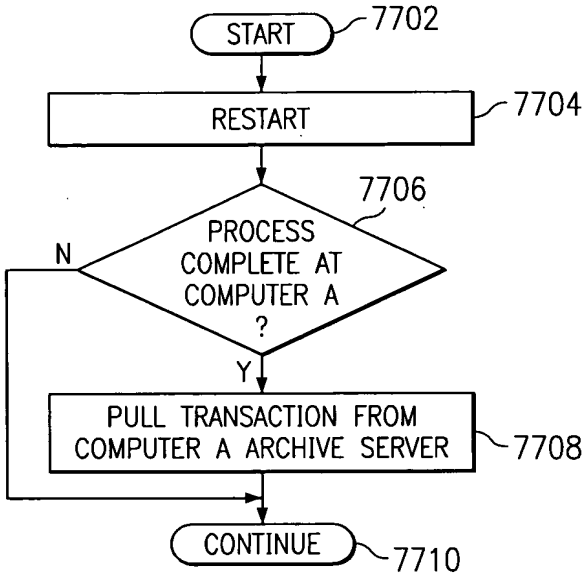


FIG. 77

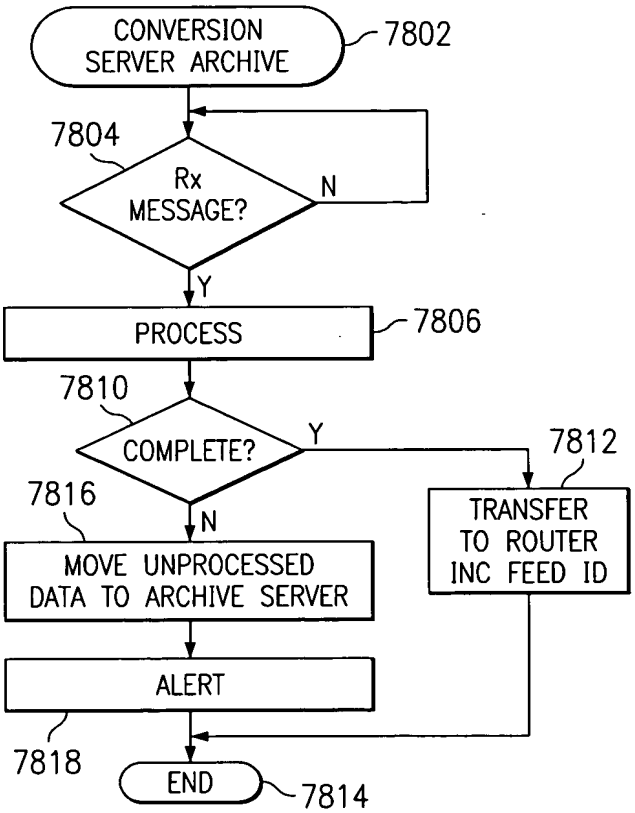


FIG. 78

EXHIBIT 1005, Page 1005 of 1050

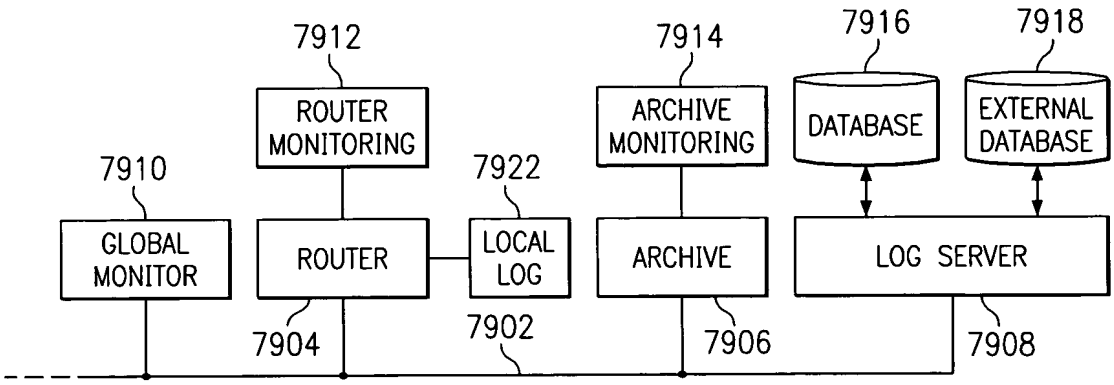


FIG. 79

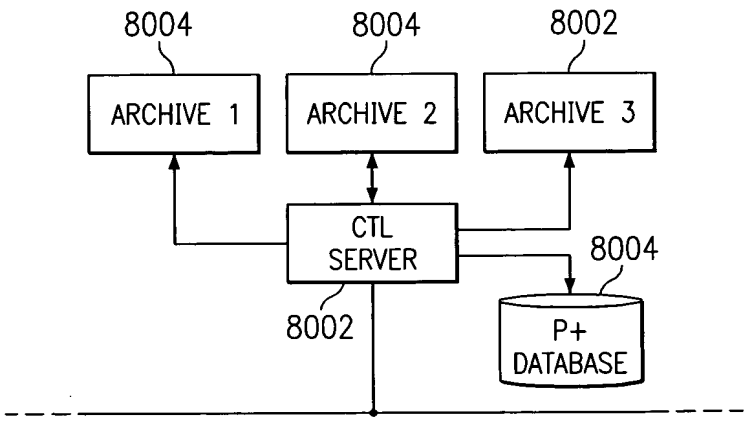


FIG. 80

EPSON-1659

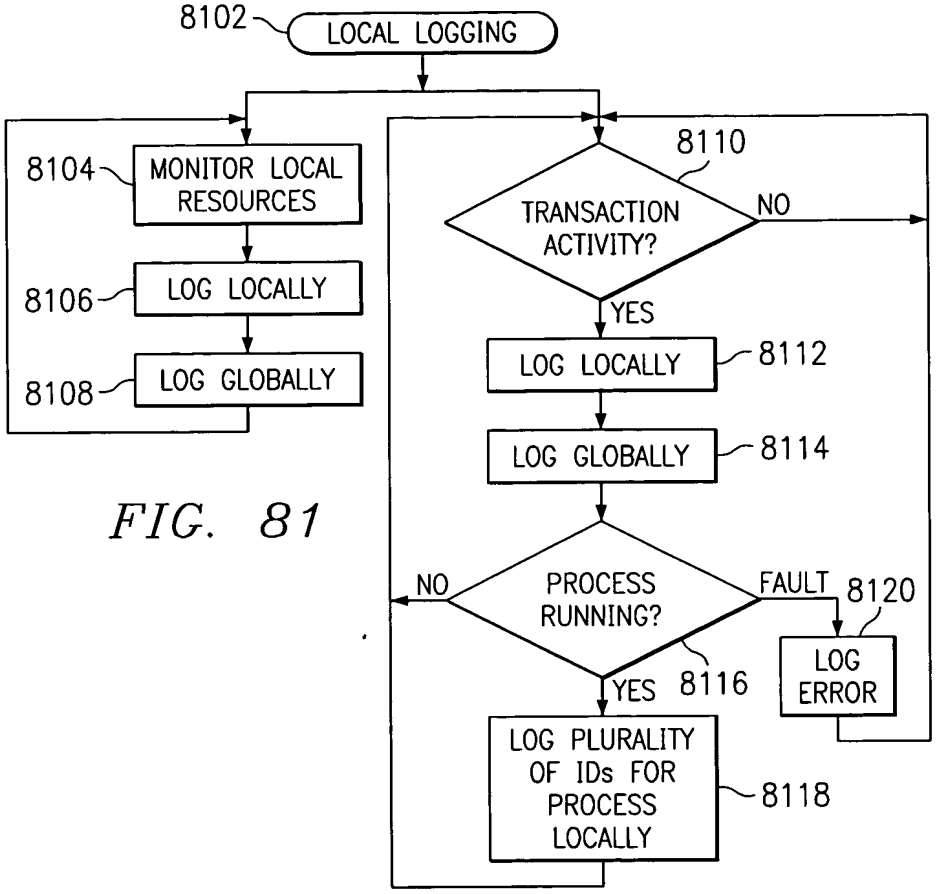


FIG. 81

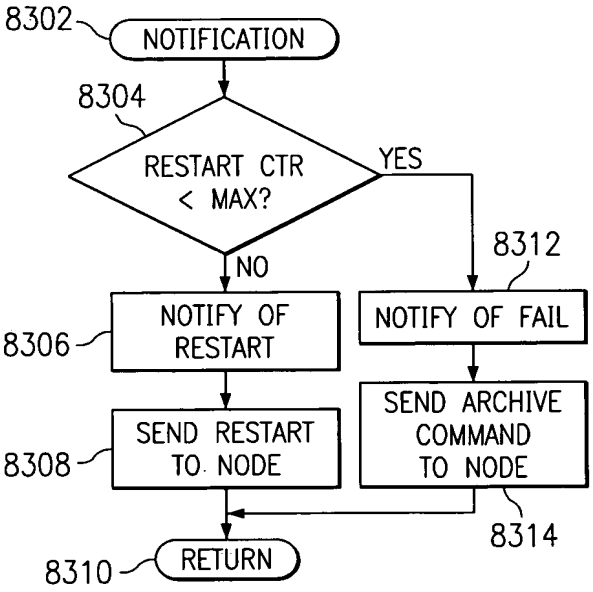


FIG. 83

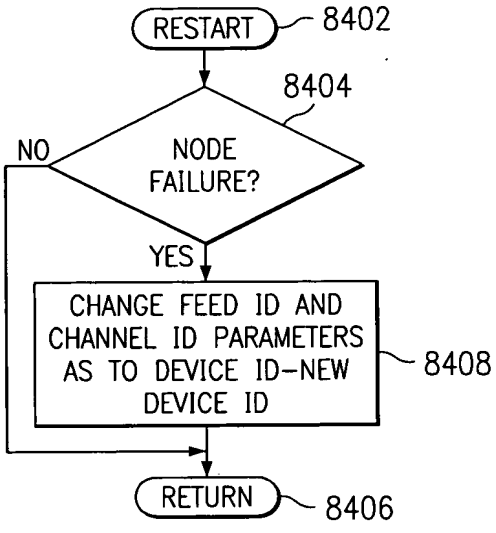
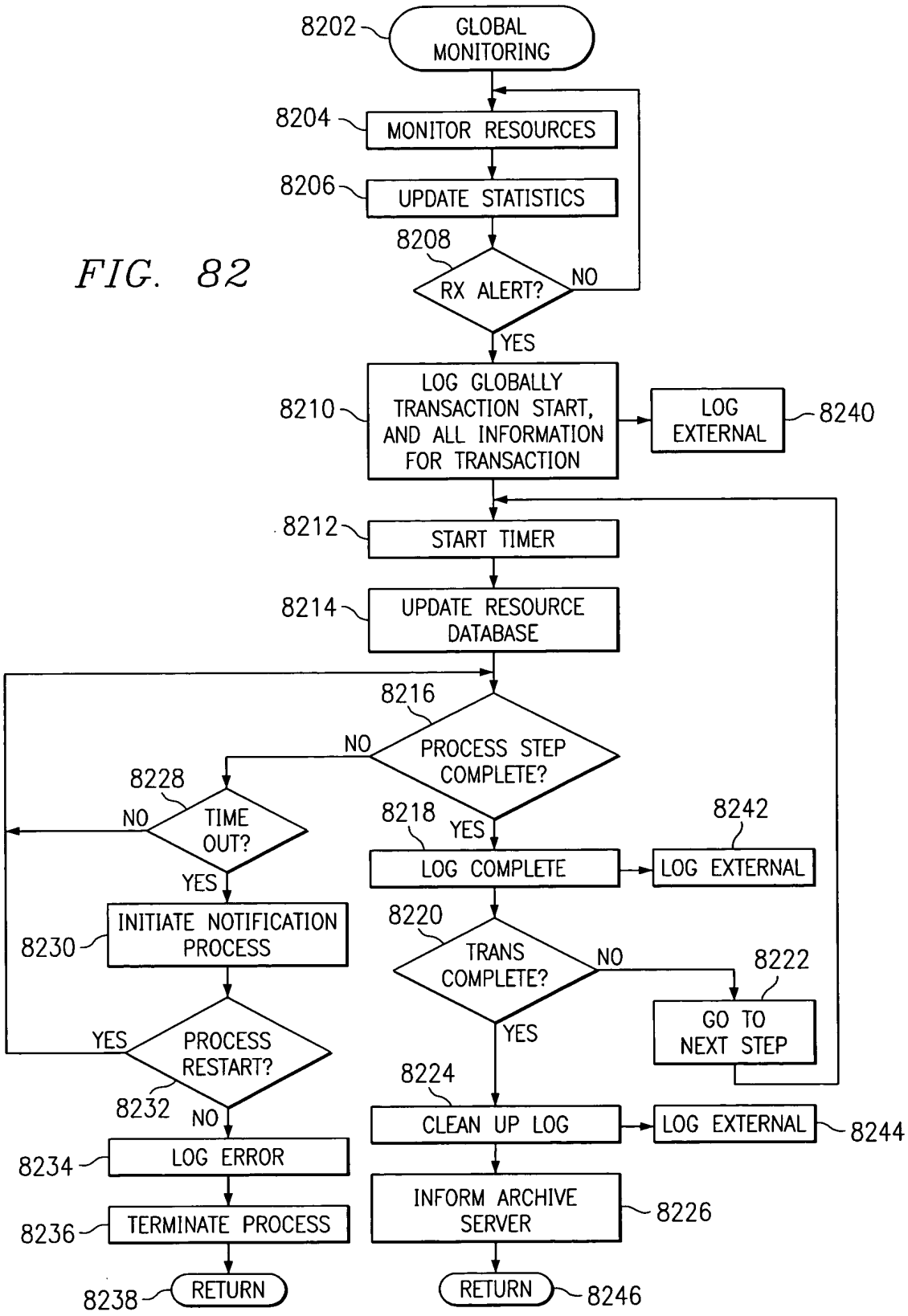


FIG. 84

Express Mail No. EV 055 074 950

FIG. 82



T0508' 65754.650

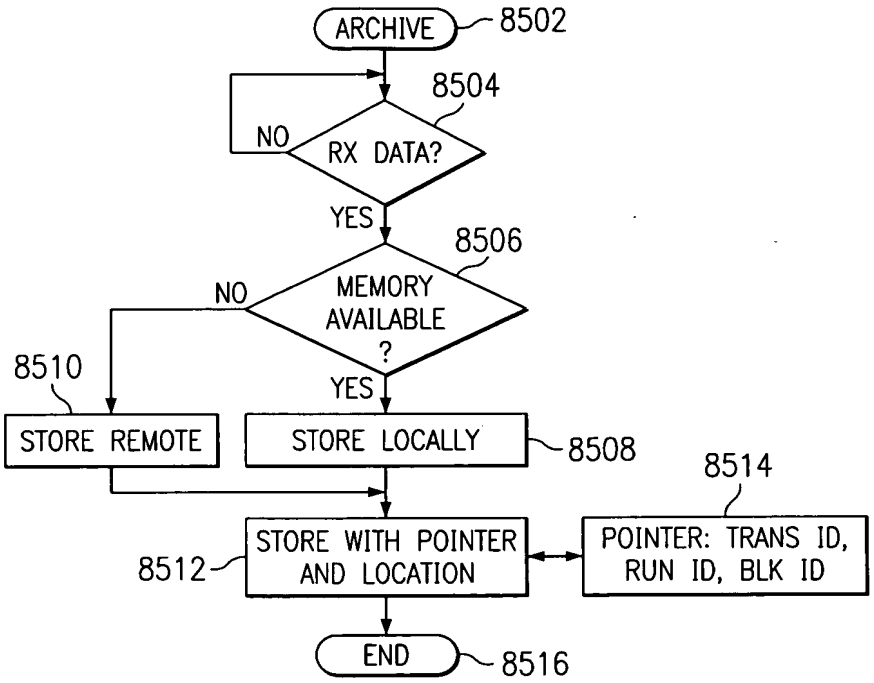


FIG. 85

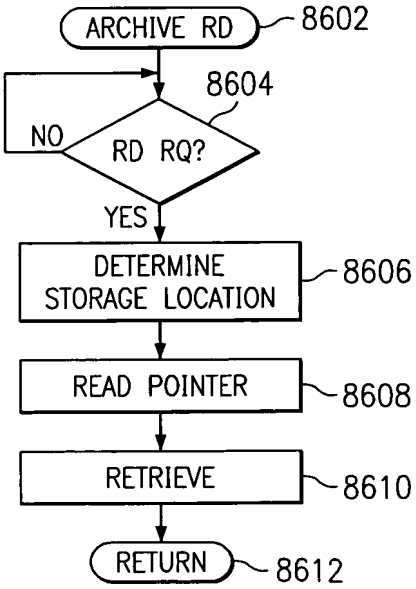


FIG. 86

T0500T 65T2560